

DX LISTENING DIGEST 19-35, August 29, 2019
Incorporating REVIEW OF INTERNATIONAL BROADCASTING
edited by Glenn Hauser, <http://www.worldofradio.com>

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<http://www.worldofradio.com/dxldmid.html>
[also link to previous years]

NOTE: If you are a regular reader of DXLD, and a source of DX news but have not been sending it directly to us, please consider yourself obligated to do so. Thanks, Glenn

WORLD OF RADIO 1997 Contents: Antarctica, Australia and non, Bougainville, Brasil, Canada, China, Cuba, France/Germany, Indonesia, International Waters, Ireland, Japan/Korea North non, México, Mongolia, Netherlands non, Nigeria, North America, Norway, Oklahoma, Papua New Guinea, Romania, Sudan, Turkey, USA, Vietnam non; and the propagation outlook. Ready by 0305 UT Aug 30 for first airings:

Ready for broadcasts from Friday August 30 to Thursday September 5

Full schedule including AM, FM, webcasts, satellite, podcasts:
<http://www.worldofradio.com/radioskd.html>

(mp3 stream) <http://www.w4uvh.net/wor1997.m3u>
(mp3 download) <http://www.w4uvh.net/wor1997.mp3>
Or via <http://www.worldofradio.com/audiomid.html>
Also link to podcast services.

WORLD OF RADIO PODCASTS:
Tnx to Dr Harald Gabler and the Rhein-Main Radio Club.

<http://www.rmrc.de/index.php/rmrc-audio-plattform/podcast/glenn-hauser-wor>

MORE PODCAST ALTERNATIVES, tnx to Keith Weston:
<https://blog.keithweston.com/2018/11/22/world-of-radio-podcast/>

feedburner:
<http://feeds.feedburner.com/GlennHausersWorldOfRadio>

tunein.com:
<http://bit.ly/tuneinwor>

itunes:
<https://itunes.apple.com/us/podcast/glenn-hausers-world-of-radio/id1123369861>

AND via Google Play Music:
<http://bit.ly/worldofradio>

DAY-BY-DAY ARCHIVE OF GLENN HAUSER'S LOG REPORTS:
Unedited, uncondensed, unchanged from original version, many of them too complex, minutely researched, multi-frequency, opinionated, inconsequential, off-topic, or lengthy for some log editors to manage; and also ahead of their availability in these weekly issues:
<http://www.hard-core-dx.com/index.php?topic=Hauser>

IMPORTANT NOTICE!!!! WOR IO GROUP: Effective Feb 4, 2018, DXLD yg archive and members have been migrated to this group:
<https://groups.io/g/WOR>
[there was already an unrelated group at io named dxld!, so new name]
From now on, the io group is primary, where all posts should go. One may apply for membership, subscribe via the above site.

DXLD yahooogroup: remains in existence, and members are free to COPY same info to it, as backup, but no posts should go to it only. They may want to change delivery settings to no e-mail, and/or no digest. The change was necessary due to increasing outages, long delays in posts appearing, and search failures at the yg.

Why wait for DXLD issues? A lot more info, not all of it appearing in DXLD later, is posted at our io group without delay.

[Ed. note: apology for lateness of this issue: I am struggling to keep up with the huge flow of info; finished ASAP! September 8]

** ANTARCTICA. LRA 36, Radio Nacional Arcángel San Gabriel, on air today Saturday, the first time ever I hear it on Saturday (Manuel Méndez, Lugo, Spain, 1444 UT Aug 24, WOR iog via DXLD)

15476, LRA36, Radio Nacional Arcángel San Gabriel, Base Esperanza, 1410-1642, 24-08, on air today Saturday, the first time ever I hear it on Saturday, here in Lugo only extremely weak carrier, but via SDR Kiwi remote receiver in Pardinho, Sao Paulo, weak to fair signal, 15475.97, Latin American songs in Spanish (Méndez, *ibid.*, WORLD OF RADIO 1997)

Hi Manuel, Aug 24, noted on 15475.0, at 1505, with strong CNR1 (// 6125) jamming of RFA, which was unheard (Ron Howard, California,

ibid.)

Hi Ron, now at 1645 no interference on 15475, LRA 36 on air with non stop Latin American songs, only very weak carrier in Lugo, 15476, clear signal via SDR Kiwi Pardiño, 15475.97. Best 73,s

LRA 36, 15476 signal improving now here in Lugo at 1820 UT, some songs can be heard on USB. Extremely weak (Manuel Méndez, Lugo, Spain, Aug 24, ibid.)

LRA 36 on air again today Sunday --- 15476, LRA 36, Radio Nacional Arcángel San Gabriel, Base Esperanza, on air again today Sunday, 1355-1635, 25-08, non stop Latin American songs. Only very weak carrier here in Lugo, weak to fair and clear signal via SDR Kiwi Pardiniho (15475.97 kHz). (Manuel Méndez, Lugo, Spain, Aug 25, ibid.)

Only single string carrier signal visible in remote SDR's at NJ-US and Edmonton Alberta, -102 dBm tiny weak at 1842 UT on Aug 25, on exact 15475.976 kHz today. 73 wb df5sx (Wolfgang Bueschel, ibid.)

15476, LRA 36, Radio Nacional Arcángel San Gabriel, Base Esperanza, 1615-1655, 27-08 [Tuesday], strong carrier and at times Latin American songs heard, best on USB. Signal probably improve in about two hours. The best time to hear LRA 26 here is at about 1900 and later (Manuel Méndez, Log in Friol, Tecsun S-8800, cable antenna, 8 meters, WOR iog via WORLD OF RADIO 1997, DXLD)

** ARGENTINA. Radio Nacional outlets --- While we've been discussing networks in South America, are all of the R. Nacional outlets in Argentina connected or are some of them independent but using the same slogan? (Russ Edmunds, WB2BJH, Blue Bell, PA, Real DX via Thomas Nilsson, ARC, ARC mv-eko 26 Aug via DXLD)

I was in Argentina and Chile for a month this spring with DX'ers Don Moore and Karl Forth. We heard many different versions of the Argentine National Anthem on these stations. At last count, I had recorded 19 different versions ranging from the traditional orchestral version to one played on the bandoleón (an accordion like instrument) and my favorite, an avant garde jazz version complete with wah-wah guitar - really cool!

As Chuck mentioned, all Radio Nacional stations play the NA around 0300 UT, but because not all have the same programming, the time of the anthem can be plus or minus a couple of minutes from the top of the hour. Sometimes there can be a local ID after the anthem, but usually it is just goes back to network programming. Even though they may all be having network programming, the individual stations can play different versions of the anthem at 0300, so don't always look

for the anthem to be in parallel.

We also noted that the RN stations go to local programming at 1000 UT. Unfortunately this is usually past local Argentine sunrise in our northern winters, but it might be possible from the right location in their summer. Some of the Latin and Argentine DX'ers in this group will have more to add to this thread (John F, Real DX (dealing with a hot Canadian summer) via Thomas Nilsson, ARC ARC mv-eko 26 Aug via DXLD)

** ARGENTINA [non]. 15770, Aug 12, 1300, RAE via WRMI with a "secret" broadcast in French as it is not listed on RAE:s homepage. A nice show with information about an international tango festival in Buenos Aires and a 7-minute DX segment featuring a recording of Radio Fana in Ethiopia. 3 (Christer Brunström, Halmstad. Sweden, SW Bulletin Aug 25 via DXLD)

The new 1330 French broadcast was added several weeks ago, and duly noted here. By hosting B-19 HFCC in Bs. As., it is hoped that RAE have grasped what times WRMI is axually emitting them (gh)

** ASCENSION. see DIGITAL BROADCASTING --- DRM below

** AUSTRALIA [and non]. [WOR] Unique Radio off air indefinitely

Hi, Unfortunately Unique radio will be off air for a while. This includes relays internationally [WINB]. There are numerous reasons as to why, but I can cite the following as factors:

Technical problems including an antenna breakage
No technical person to help in such matters
Funds have diminished due to factors beyond my control

I would love to put a station together that would of course have the best broadcast equipment and this is being looked into at the moment. Thank you all for your support over the time, Best regards (Timothy Gaynor, Unique Radio, Gunnedah NSW, Australia, 0113 UT Aug 29, WOR iog via WOR iog via WORLD OF RADIO 1997, DXLD)

Tim, Sorry to hear this, but hope you can resume Unique Radio eventually. Tnx very much for including World of Radio in your schedule (Glenn Hauser, ibid.)

Hi Tim, There is an amateur radio group in Tamworth called the Tamworth Technology Group. They should be able to help you - Their email is - tamtechnologygroup@gmail.com 73 (Tony Magon VK2IC, ibid.)

{but Tim got it back on already by Sept 2 --- gh}

** BANGLADESH. 4750, Bangladesh Betar. Continuing with major problems; Aug 23, heard starting at *1224, with the BB external service hum/buzzing sound, with no audio at all thru 1320. Aug 25, seemed BB completely off the air (no audio for external service and no hum/buzzing noise); CNR1 always present (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

Now at 1735 UT they are on. The side carriers are multiples of +/-50 Hertz. There is an additional strong 1 kHz tone. Ron, the CW is on 4753 kHz, visible here. At 1745 UT English started and test tone stopped, but audio is very bad (Mauno Ritola, Finland, via wwdxc BC-DX TopNews Aug 23, BC-DX Aug 24, DXLD)

4750, Bangladesh Betar (External Service), 1235-1300*, Aug 29. Finally fixed the hum/buzzing noise here, but now over-modulated; in English and with subcontinent chanting/singing; English unreadable due to poor audio quality and signal very fluttery; 1300*, off for a few seconds and then back on with test tone. My audio of some of the music/chanting at <http://bit.ly/30I7Py1> (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

** BOUGAINVILLE/INDONESIA. 3325, NBC Bougainville. On Aug 25 & 26, not heard from 1100+; found off the air. On Aug 26, heard start of the Voice of Indonesia carrier at *1126, but again with no trace of any audio. So both Aug 25 & 26, NBC Madang (3260) was the only PNG heard (Aug 25, with 1207*).

NBC Bougainville was heard Aug 23, cutting off mid-song at 1155*.

3325, NBC Bougainville. Aug 25 & 26, not heard from 1100+; back on the air Aug 27 & 28; at 1106, with local news in Pidgin; pop songs (Belinda Carlisle - "Heaven Is A Place On Earth," etc.); on 28th, cut off at 1201*.

3325, NBC Bougainville. Aug 29, with an unusual day, as they ran somewhat late (1213*) and unique to find NBC Madang (3260) closed down long before that; playing pop Pacific Islands songs; surprised they had no 1200 news today; no VOI QRM (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1997, DXLD)

** BRAZIL. Brazilian jungle radio watch --- On Aug 27, 2019 3:50 PM, radio mcradioface <mcradioface@gmail.com> wrote:

``Since the bulk of my evening and weekend listening tends to lean

towards Brazilian jungle radio, I haven't heard many of the usual suspects in the tropical band. Specifically Radio Difusora Roraima perhaps, or Clubo do Pará. Does anyone "in the know" have any "know" on if these stations survived the wildfires?``

Hard to say. From what I learned, these fires are a fairly common event this time of year, and have been for eons. Also, this go round is not near as bad as prior years (BoB Biermann, FL, WOR iog via DXLD)

Yes, it is. But jungle fires tend to be in the jungle, not the cities where the stations are. However before this I had noticed Pará 4885 weaker than usual or maybe off uncovering the other one (Glenn Hauser, ibid.)

Not quite true. "Brazil's satellite agency found there's been an 84% increase in the number of fires compared with the same period in 2018. That is less than in 2005 during the same period, when the number of fires was at its highest." More here:

<https://www.bbc.com/news/world-latin-america-49450925>

(-- Richard Langley, ibid.)

** BRAZIL. 4885. Jul 31, 2019. 0150-0201, Radio Clube do Pará, Belém-PA, in Portuguese. Commercial announcements; A sport program by male announcer; Callsigns of the Brazil Amazon Network Stations; Right hour ['hora certa' == exact time]; Man ann talks news and comments about local and Brazilian football games. Fair reception this night, 35433 (sometimes 35322). (JRX_Jose Ronaldo Xavier, SWARL Callsign PR7036SWL, Cabedelo, Brazil (UTC-3), Receiver (s)_ Degen DE1103 & Tecsun S-2000, Antenna (s)_ Longwire, WOR iog via DXLD)

Not certain whether Pará still on air; most recent log found (gh)

4885, Brasil, Radio Clube do Pará, Belém, PA, 0020 to 0035, Noted om in Portuguese with brief music, good signal 22 August (Bob Wilkner, Pompano Beach FL, 746Pro - NRD 525, 60 meter dipole and noise reducing antenna, NASWA iog via DXLD)

Beware on 4885: there are TWO Brazilians; try to be sure which one you are hearing (or both, a few Hz apart) (gh, DXLD)

4885+, Aug 28 at 0617, JBA carrier just enough to tell it's slightly offset+plus, but is it R. Clube do Pará or the usual understation, Rdif. Acreana, Rio Branco. Can anyone confirm which or both still active? Someone was wondering if these stations had burned up, but I would not expect that in the cities rather than the jungle. I was lucky to detect this much, before 2.6 inches of rain abated my line noise level, only temporarily (Glenn Hauser, OK, DX LISTENING

DIGEST)

** BRAZIL. 11855.77V, Saturday August 24 at 2215 tune-in, during the DX program on R. Aparecida, 'Encontro DX'. Immediately mentions the station a few times, but made up of several segments with very different voices. 2217 it's a report by a slow talker from the DX Clube do Brasil about the futuro das ondas curtas. There is slight pulse jamming bleed from Cuba on 11860 until I switch to LSB tuning. 2221, report from Paraíba by Amaral(?), fast talker, full schedule of RAE relays via Okeechobee very rapidly, but I heard one incorrect frequency, 9455. 2225 Daniel Camporini mentioned, Argentine DXer. By 2229 has drifted down to 11855.73 or so and show is not over: now a RAE guy is speaking Spanish with a porteño accent, about how many LRA stations there are around the country. 2233 mentions DX Clube sem Fronteiras, outro this show ``Encontro DX na Rádio Aparecida, nos sábados``, finally ends at 2235, then some whistling.

The 11855+ signal rated S6, fades to S3; I then compare it to RNA on 11780: S8-S5, so ZYE954 is providing a respectable signal considering the 250:1 kW power differential --- or is one a bit less, the other a bit more? I have to look this up in a previous WRTM since the 2019 had deleted all four Aparecida SW frequencies! Finally I check the other one propagating at 2238, 9630.4 as it too is always off-frequency, rating S4 vs local high noise level.

It's great that a Brazilian station allows such a DX program to exist. As in DXLD 19-33, a certificate is being issued for reception reports, so I am copying this to them hoping they don't mind some English:

``BRAZIL. "Encontro DX Radio Aparecida" --- A partir del próximo sábado 10 de agosto de 2019, el programa "Encontro DX Radio Aparecida", y el SWL Brasil DX Group, otorgará un certificado de escucha, a todos los oyentes en general que reporten la escucha del programa. Puede escucharlo por

ONDA CORTA:
6135, 9630, y 11855 kilociclos a las 2200 UT [de los SABADOS]

EN INTERNET:
<http://www.a12.com/radio-am>

Los informes de recepción puede enviarlos a:
Francisco Jacson py1pdf.rj@gmail.com

Atte, (Héctor Frías Jofré, CE3001SWL-CE3FZL, Chile, Aug 9, WOR iog via DXLD)`` (Glenn Hauser, Oklahoma, WORLD OF RADIO 1997, DX LISTENING DIGEST)

No e-reply by Sept 7; maybe it's coming by P-mail. Something else about the above report: As a DX editor myself, constantly making decisions about which info to digest and which to pass over, I can hardly object when other DX editors do the same with my own reports; but I did find it odd that the NASWA Flashsheet skipped the Aparecida DX program report; while it was one of few items from me which did make it into Australian DX News (gh, DXLD)

** BULGARIA. Re: [WOR] No signal of Brother HySTAIRical via SPL
Secretbrod, August 22

> 2000-0400 on 6055 SCB 050 kW / 306 deg to ENAm English, pls check!

6055 kHz, yes at 0005 UT on Aug 23, via LZ1AX Kostinbrod, at SPC-NURTS Spaceline Ltd. Sofia Kostinbrod Bulgaria relay site, heard in remote SDR unit at England at S=9+30dB level, speech to the ministry crowd heard between Liverpool and Birmingham tonight. 5900 kHz, EMPTY channel so far, no signal. 73 (wolfie df5sx, Aug 23, WOR iog via DXLD)

** BULGARIA. Re: ``5900, Aug 14 at 0225, Arabish talk mixed with variety bits of music including Debussy, S9+20, 0229 I have to check something else so missed an ID or sign-off. At 0200-0230 per Aoki/NDXC, Kostinbrod carries the Dardasha 7 program of Bible Voice: not 0300-0330 as in EiBi. At 0230 I'm back to hear dead air; 0231 fade-up slowly: Brother HyStairical, so obviously it's Secretbrod. At this hour he's also on (at least) 7490+ WBCQ; 7570 & 7730 WRMI (Glenn Hauser, OK, WORLD OF RADIO 1995, DX LISTENING DIGEST)``

As already suggested, the programme monitored is Dardasha 7. My logs:

190821 5900 0215 2108 BUL Dardasha 7, Ar, Vortrag (M), diverse westl. Philosophen erwähnt 45444 (several western philosophers mentioned)

190826 5900 0200 2608 BUL Dardasha 7, Ar, Vortrag auf Musikteppich 45433 HjBi

More insight on Dardasha 7 (in Arabic) can be gained at

<http://www.dardasha7.com/>

<http://www.dardasha7.com/broadcast>,

although less historical information. According to

<https://backtogod.net/ministries/arabic>

Dardasha 7 is a joint ministry of Reformed Churches (mainline protestant):

- Evangelical Presbyterian Church of Egypt – Synod of the Nile (EPCE)
- Back to God Ministries International (BTGMI)
- Words of Hope (WOH)

Dardasha 7 is a replacement for their classic radio ministries (and I certainly miss the English programmes of Dr. Joel Nederhood/Back to God Hour and Words of Hope I heard in the 70s/80s).

Anyone interested in a long reading on Christian broadcasting to the Arab World will look for the Dutch thesis: Strengtholt, Jos M.: Gospel in the Air. 50 Years of Christian Witness through Radio in the Arab World, Zoetermeer 2008 (Dr Hansjoerg Biener, 29 August 2019, DX LISTENING DIGEST)

** CANADA. 6754-USB, Aug 26 at 0533, Trenton Military, with weather for Thule as ``temperature 4 at 0456`` --- wow, how hot for 76.5 degrees north in the ``night``, as Greenland continues melting. Don't recall hearing CHR mention Thule before, but must show occasionally in rotation. Some others are ``no report received`` as they never receive all reports. I suppose there are no commercial flights ultimately landing at Thule, other than emergencies as it's right along some nearly trans-polar routes (Glenn Hauser, OK, WORLD OF RADIO 1997, DX LISTENING DIGEST)

** CHINA. EAST JAMMERSTAN: 9965 Firedrake; 1700, 8/21 (SDR in China via Lynn Wineland, Bowling Green OH, MARE Tipsheet 23 Aug via DXLD) Probably against Radio Free Asia in Chinese via Germany (MARE ed., ibid.)

CNR-1 Jamming vs. SOH Xi Wang Zhi Sheng in 25mb August 23: till 1300 on 11600 unknown kW / unknown to EaAs Chinese, weak to fair

https://swldxbulgaria.blogspot.com/2019/08/cnr-1-jamming-vs-soh-xi-wang-zhi-sheng_23.html

(Ivo Ivanov, SWLDBulgaria News August 23, DX LISTENING DIGEST)

CNR1 jammer survey, Aug 29 at 1356:

10160, Chinese, VP

11100, Chinese, VP

11460, Chinese, then music, S4-S7

Three more WOOB JBA carriers on 12350, 13150 and 13320 compute to be 1390 KCRC mixtures with RHC or RM on 13740, 11760, 11930 (Glenn Hauser, OK, DX LISTENING DIGEST)

** CHINA [and non]. CNR1 jammer survey Aug 24 at 1430: JBA maybe Chinese on 12820, 12880, nothing WOOB higher or lower; two well-known Sound of Hope jammed channels. Probably would have found several more had I got around to it an hour earlier.

Sound of Hope is the clandestine radio mouthpiece of the Falun Gong, which also run The Epoch Times. That made news lately, altho never mentioning the connexion, since SW is insignificant? Epoch Times also

propagates far-out debunked wacky conspiracy theories. Hey, maybe the jamming is not such a bad idea, after all? see 19-34 at TAIWAN:

TRUMP, QANON AND AN IMPENDING JUDGMENT DAY: BEHIND THE FACEBOOK-FUELED RISE OF THE EPOCH TIMES --- Is it any wonder why I refuse to participate in disgraced FB? (Glenn Hauser, OK, DX LISTENING DIGEST)

** CHINA. 9215, Aug 26 at 1443, JBA Chinese? on a *jammed Sound of Hope frequency; nothing else W00B found in the 9s, 10s or 11s (Glenn Hauser, OK, DX LISTENING DIGEST)

** CHINA. 4900 // 4940, Voice of Strait. What is happening with VOS? Significant anomaly on Aug 26. What normally happens 1200-1255 is that they are not in //, but today they were! In the past always observed // from 1055 to 1200 and from 1255 to 1300, otherwise they were not //, but today // 1203-1303 the whole time; 1203-1255, non-stop music; 1255-1300, the usual Strait Fishery Meteorology report (Channel fishery weather); 1300, usual time pips, Beijing time, announcer briefly in Chinese and went to playing Chinese opera music. A one day event or some type of test?

Aug 24 (Saturday), on 4940, VOS from 1430 to 1455, with the weekend program in English "Focus on China"; not // 4900; ID as "Fresh, dynamic, professional, profound, explore Chinese culture --- You are now listening to Focus on China" (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1997, DXLD)

Maybe a large storm or hurricane sweeping the area and that's why they broadcast the weather for fisheries. I had read in the news that a lot of people had been evacuated (Tibor Gaal, Budapest, Hungary, Aug 27, ibid.)

** CHINA. 6035, FM99 (Voice of Shangri-la) relay via PBS Yunnan. On Aug 23, first noted BBS (Bhutan) cutting off in mid-sentence (English) at 1135*; then *1139, suddenly on, in progress with FM99 programs; at *1144 the start of the N. Korea jamming spur from 6045.

7210, PBS Yunnan, 1046, Aug 23. The usual IS (long playing loop of EZL music); unusual good with no QRM; 1100, into programming. My clear audio at <http://bit.ly/2HqOgTS> . Aug 26, at 1058, heard PBS IS, but today with heavy Sound of Hope QRM on frequency (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

6035, FM99 (Voice of Shangri-la) relay via PBS Yunnan. On Aug 27, with anomaly; noted they had a problem with the usual FM99 audio feed, but instead was running non-stop western classical music for quite awhile;

noted several times before and shortly after 1200; very enjoyable; by 1213, back to normal FM99 audio feed; no QRM of any kind (no BBS and no N. Korea jamming spur). My audio at

<http://bit.ly/2ZrX9qx>

(Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1997, DXLD)

** CHINA [non]. 9570even, CRI English via European relay site Cerrik ALBANIA, S=9+25dB, and \\ 9580even kHz CRI via CUBA at 0139 UT, same signal, content, but 1.5 seconds delay via Quivican on Cuba island. Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD)

** CHINA [and non]. SHORTWAVE RADIO: REACHING DISSIDENTS IN CHINA? GOOD THEORY, BUT... --- Government Broadcasting, International Media August 28, 2019 [by Matt Armstrong??]

<https://mountainrunner.us/2019/08/shortwave/>

Shortwave radio was a mainstay of international news and information programs. It was the "new media" embraced to bypass and overcome the censorship of cables, the "old media." This was particularly true in the United States. Radio broadcasting was seen as such an important and critical element to our national security a century ago that the Secretary of the Navy, a newspaper owner interested in the psychological defense of the nation, tried several times to nationalize wireless transmitters. He may have failed, but he contributed to forcing a British firm to sell their U.S. broadcasting assets which became the Radio Corporation of America. Indicative of the importance of the medium, RCA voting stock could only be owned by U.S. citizens, a restriction that was not removed until the 1980s.

Shortwave radio was used by nations for engagement, to distribute news and information to faraway places. It is not surprising then to see a new article urging the use of shortwave today to penetrate censorship in China.

This is brought to the public's attention in "How Dissidents Are Using Shortwave Radio to Broadcast News Into China." The basic proposal sounds great in theory, but reality is something else.

In 2014, I chaired and directed a special subcommittee at the then-named Broadcasting Board of Governors to look into the utility and value of shortwave broadcasting as it related to the agency's mission. There were severe pressures to eliminate all shortwave broadcasting on the a) assumption that digital could reach everyone (or reach anyone that mattered) and b) basis that shortwave infrastructure is relatively very expensive, especially if the target

audience is quite small, and the money could be better used on other technologies. The report, *To Be Where the Audience Is* (August 2014), was the result of internal analysis, interviews and analysis from outside the agency, comments from State Department, including from officials in the areas then being served by BBG shortwave, comments from the Defense Department, and comments from the public (inside and outside the U.S.).

There were some regions where shortwave remained (five years ago) critical. In places like China, the shortwave audience had shrunk considerably. One thing about shortwave radio users is once they leave, they rarely come back. Besides being asynchronous mode of communication (you need to be listening at the moment of broadcast), the channel (frequency) will change according to time of year and environmental issues, requiring additional work on the part of the user to get the signal. This latter point is significant for the new or inexperienced user than the "old hands" and it can be overcome by advertising on other mediums and word of mouth.

Shortwave has value, but it appeals most to hobbyists and to those who hear the concept but not the practical realities. It does reach across huge distances, readily flowing from one country to another irrespective of national boundaries. A single broadcast can blanket an entire country or broad regions. Shortwave radios, and kits to make the radios were relatively inexpensive and widely available. Users could tune in to hear the news and languages of faraway lands. Newspapers printed broadcast schedules and dedicated columns to programs discovered on the air. Some towns even instituted "silent nights" where local radio stations went off the air to reduce interference and improve reception of long-distance shortwave signals.

From "Radio's Short Waves," *New York Times*, August 8, 1937. The discussion at the top left is about employing a "universal language" for "broadcasting purposes which is said to be without grammar or idiom, and capable of being understood in all civilized tongues without prolonged study."

Shortwave is often a lossy format, which means it is not clean and clear as one often hears from the local FM station. It is suited for long-form storytelling when not hearing a word every now and then does not lose the listener.

It is also easy to jam and China has historically spent vast resources on jamming signals quickly and continuously. Jamming is easy: broadcast a noise of some kind (words, static, music, etc) at the same frequency. Considering the Chinese government's transmitters are closer to the target users in this (and most) cases, jamming is

relatively easy, efficient, and effective.

Not mentioned in the article is DRM, or “digital shortwave.” This is understandable as it is an unrealistic alternative for this target audience, but it is worth mentioning. The sets are expensive, hard to get, and not a superior alternative in the eyes of potential users. There is limited content available (because there are relatively few users, a classic chicken-and-egg problem) and, in 2014, a DRM set was, five years ago, at least twice the price of a complete Ku Band satellite dish setup that offered rich video and audio content.

By the way, India was, in 2014, investing heavily in DRM, for domestic and foreign audiences (including, interestingly, in Russian to Russian territories). They later ended that program.

With regard to BBG (now USAGM) audience in China, the estimated shortwave audience in China (Mandarin) was 0.03%. Even if we inflate that number x10, that is a very high “listener-for-dollar” cost that suggests other methods of engagement, or information delivery, may be more effective. Most alternatives are asynchronous, which has its own advantages. For example, the audio (or video or text, or a combination) can be uploaded to platforms like GitHub or AWS, which Beijing cannot or does not block or censor effectively (see the idea of “Collateral Freedom”).

There were, and probably will continue to be, reports that Chinese dissidents listened to shortwave, but this is at a very high cost.

There is another side that shortwave proponents may raise: when disaster strikes in China, at least up until five years ago, the authorities distributed SW sets to enable information delivery to stricken areas when the information infrastructure was knocked out. But, as noted above, this is not the preferred consumer’s platform and revert to using more vibrant, richer, easier to use, entertaining alternatives.

Research has shown repeatedly that once users leave the platform, they do not come back. There was an argument that shortwave is an alternative to an information blackout (i.e. shutting down internet access), but at the time of the report, there were many recent examples showing that users preferred to, essentially, “sit in the dark” or sought workarounds rather than return to the legacy shortwave platform.

This raises more questions about who to reach and why. Presumably, the Sound of Hope wants to reach, and influence, more than farmers in deeply rural and disconnected villages far from cities, where jamming is less effective due to the great expanses. If Sound of Hope’s

audiences are in the cities, it is likely their target audiences will see shortwave as an inconvenience, or at best, a novelty, and will be more likely the target of effective jamming. Maybe the Chinese that seek avocado on toast will want their parent's shortwave set?

For some audiences and markets, shortwave remains important. China is not one of them.

On the point made early in the article that shortwave is a gray area, that is not accurate. The International Telecommunications Union (ITU) has long held (effectively "forever") that shortwave is an "international broadcast service." That has not prevented jamming, but it is not illegal to broadcast shortwave into another country while it is illegal to broadcast FM or AM under the same circumstances.

[this article also overlays a list of US SW stations as of 1939 with frequencies and powers; and SW programming previews of the era, well worth perusing -- gh] (via Artie Bigley, DXLD)

** CUBA. 5990, CRI Quivican La Habana Cuban relay, Sp S=9+15dB 6165even, carrier 0058:10 RHC En audio feed switched on // 5999v 5999.995, odd RHC English from Quivican San Felipe TITAN TX bcst center. Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD)

11670, RHC Bauta, audio bad - some 60 Hertz heavy BUZZ tone mixed intermod S=9+15dB in NJ. \\ 11700 via Quivican San Felipe TITAN site;

11760, RHC Bauta, non-directional fountain like characteristic antenna to Central America/Caribbean, S=8-9 in NJ. \\ 11850even RHC Quivican 0205 UT. Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD)

[and non]. 6165 even kHz carrier at 0058:10 RHC En audio feed switched on \\ 5999v. 5999.995 odd RHC English from Quivican San Felipe TITAN center.

9535.002, RHC Sp Bejucal site 0137 UT.

9570 even, CRI English via Cerrik Albania, S=9+25dB, and \\ 9580 even, CRI Beijing via/at Quivican San Felipe TITAN, La Habana Cuban relay at 0139 UT on Aug 23, same signal, same content, but 1.5 seconds time delay via Quivican on Cuba island.

11670, RHC Bauta, audio bad - some 60 Hertz heavy BUZZ tone mixed intermod S=9+15dB in NJ. \\ 11700 via Quivican San Felipe TITAN site; 11760, RHC Bauta, non-directional fountain like characteristic antenna

to Central America/Caribbean, S=8-9 in NJ. \\
11850 even, RHC Quivican San Felipe TITAN TX bcast center at 0205 UT

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang
Bueschel, df5sx, wwdxc BC-DX TopNews Aug 23, BC-DX Aug 24, DXLD)

5025, Aug 25 at 0621, S9+10/20 of dead air from Radio
Rebelde, except for some hum. Something's always wrong at RadioCuba.

11670, Aug 26 at 0121, S8/S9+10 of dead air; while 11700,
11760 and 11850 are S9+10/20 with good modulation except 11700
suptorted. Something's always wrong at RHC.

13660, Aug 26 at 1401, JBA music enough to match to RHC on 13700 &
13740 which are S9+20 and S9+30 respectively during 'Sonido Cubano'.
So this is a leapfrog mixing product 40 kHz down (but no match on
13780 40 kHz up), or if you insist, third-order intermodulation. By
1437 recheck, 13740 is off and so is 13660. Something's always wrong
at RHC (Glenn Hauser, OK, WORLD OF RADIO 1997, DX LISTENING DIGEST)

13700, Aug 27 at 1346, RHC is S9+10 but just barely modulated, while
13740 is nominal, S9 to S9+10. Something's always wrong at RHC (Glenn
Hauser, OK, DX LISTENING DIGEST)

** CUBA [non]. 7334.995 kHz, one of the two R Marti US Cuban oppor
tunities from Greenville IBB BBG site, \\ 7365even kHz much better audio
unit. 0117 UT. Good night, 73 de wb df5sx (Wolfgang Bueschel, between
0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via
DXLD) Yes, these two never match in audio or jamming (gh)

** CUBA. UnID Spanish ID on 95.9, 7/21/19 --- I was receiving Es to
[sic] FL when an ID in Spanish took over 95.9 just before 4 PM CDT [21
UT]. I heard "Esta es CMFL", but couldn't find any stations with those
calls. It's very possible that I misheard, as my Spanish isn't the
greatest. Anyway, thank you all in advance for your help (Josh Moore -
KG5JEL, Mountain Home, Arkansas (EM36ui), Receivers: AirSpy-R2
(primary), Tecsun PL-880 (secondary and travel radio). Antenna:
Innovantennas 17 element beam at 30 feet, Aug 25, WTFDA Forum via
DXLD)

Radiocubana, the license authority, recently assigned new calls to
CMFR "Radio Ciudad del Mar". The new calls are CMFL. CMFL uses two
frequencies on FM as their primaries - 98.9 and 106.3 in Cienfuegos
(city). The 98.9 is actually the main one, the 106.3 is treated like a
relay in a part of Cienfuegos (city) where 98.9 doesn't cover very
well.

They have six relay stations that cover the province. The newest of

these is 250 watt, 95.9 CMFL-6 Rodas, Cienfuegos. I made the adjustments in the FM database today. Last edited by Jim Thomas; 08-26-2019 at 08:47 AM. Reason: Corrections (Jim Thomas, Springfield, MO, EM37, Aug 26, ibid.)

Ahh, that explains it. I checked the DB earlier but didn't see it. It must have been before the changes were made. Thanks for the help. I'm adding it to the log (Josh Moore - KG5JEL, ibid.)

Josh, Radiocubana seems to be shuffling call letter assignments with *partial time* stations and repeaters. What I mean by that is stations that originate their own programming part of the time (partial time) get their own call letters. Repeaters (simply relays) have the parent station call letters followed with a number (Ex. -1). Repeaters do not have any original programming.

Your log of 250 watt, 95.9 CMFL-6 Rodas, Cienfuegos calls are now CMFR-FM. They relay CMFL-FM part of the time. The only way to catch the CMFR calls would be at the top of the hour.

I am going through the Radiocubana documents this week. It appears they are busy with call letter changes. The Ministry of Communications in Cuba has recently redesigned their website and I might actually be able to start locating broadcast licenses for individual stations (Jim Thomas, Springfield, MO EM37, ibid.)

** DENMARK. World Music Radio 15805 now beaming south. WMR is now broadcasting on 15805 kHz (Saturday-Sunday 07-20 UT) with 200 W into a 3 element yagi beamed south for DXers in Southern Europe, Central Europe (however sometimes the signal will skip over), Northern Africa and perhaps also the Middle East.

Reception reports are welcome at this address: wmr@wmr.dk - or by snail mail (please include return postage for a QSL-card) to World Music Radio, PO Box 112, DK-8960 Randers SØ, Denmark

Besides 15805 kHz, WMR continues broadcasting on 5840 kHz (24 hours a day - 7 days a week) with 100 W into an inverted V aerial.

Transmitter site for 5840 and 15805 kHz is Randers, Denmark.

Best 73s (Stig Hartvig Nielsen, World Music Radio - www.wmr.radio Aug 24, Hard-Core-DX mailing list via DXLD)

Fair signal and trouble audio here in Sofia with my old SONY ICF 2001D before 0700 UT, from around 0650 UT (Ivo Ivanov? via DXLD)

Hi, here in southern Germany at 0834 UT on Aug 24 exact on 15805 kHz

{ +1 little single Hertz. } S=9+10dB or -65dBm, nice audio block visible, 12.4 kHz wide, in hard rock peaks up to 18 kHz wideband. Music content at 0834 UT is NOT MY TASTE, 'hit my brain' bumm, bumm, hammer. Request more Latin or West African kind music please. 73 wolfie df5sx (Wolfgang Bueschel, hcdx via DXLD)

Poor audio with synchro detection & good audio without synchro detection of my SONY ICF 2001, 2049 UT Aug 24 (Ivo Ivanov, ibid.)

S9 /-67dbm on the site <http://fsdr.duckdns.org> with jazz type of music. Marginal on telcosol in Ilia Greece. Audio seems a bit overmodulated and S5 in my home in between local noise (Zacharias Liangas, <https://www.facebook.com/zachliang> https://del.icio.us/gr_greek1/ZAK (all pages), 0858 UT Aug 24, HCDX via DXLD)

0834 UT S=9+10dB or -65dBm
1236 UT S=8 or -74dBm
in southern Germany prediction today
2019 Aug 24 67 5 2
2019 Aug 25 67 5 2
2019 Aug 26 67 8 3
[solar flux; A-, and K- indices]

seit 50 Jahren DWL / RFE 15 MHz Erfahrungen bzw. Ham Radio:

19mb frequency selection, should be used for transmissions > 2000 km distance to Finland, Russia > Moscow eastwards, Bulgaria, Greece, or Portugal, Canaries ... 73 wb df5sx (Wolfgang Bueschel, ibid.)

Reception of World Music Radio Denmark on August 24:
Poor audio with synchro detection & good audio without synchro
0656&0900 on 15805 RND 0.2 kW /non-dir to WeEu English Sat/Sun

<https://swldxbulgaria.blogspot.com/2019/08/reception-of-world-music-radio-denmark.html>
(Ivo Ivanov, SWLDBulgaria News August 23-24, DX LISTENING DIGEST)

Reception of World Music Radio WMR Denmark on August 25
0915 & 1300 15805 RND 0.2 kW /non-dir to WeEu Sat/Sun, fair/weak

<https://swldxbulgaria.blogspot.com/2019/08/reception-of-world-music-radio-wmr.html>
(Ivo Ivanov, SWLDBulgaria News August 24-25, DX LISTENING DIGEST)

** FRANCE. What happened? - at 0133 UT on Aug 23, made it into remote SDR unit at Aberdeen-NJ-US east coast. 9490 kHz odd unstable TDF Issoudun signal, wandered 10 to 35 Hertz up and down, mostly close to 9490.035 ... kHz, S=9+30dB Radio Republica US-anti-Cuban Radio from

Miami Florida, heard in western Canada: S=9+5dB strength in Edmonton Alberta [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang Bueschel, df5sx, wwdx BC-DX TopNews Aug 23, BC-DX Aug 24, DXLD)

** FRANCE. Additional TDF frequencies, registered in HFCC August 27
<https://swldxbulgaria.blogspot.com/2019/08/additional-tdfs-frequencies-registered.html>

(Ivo Ivanov, SWLDBulgaria News August 28, DX LISTENING DIGEST)

** GERMANY. [WOR] (OT) Knallfunken - Spark-gap 22.08.2019 /22.05z =
23.08.2019 / 00.05 CEST/MESZ (two-channel radiophonic work, 54 min)

https://www.deutschlandfunkkultur.de/hoerstueck-ueber-drahtlose-kommunikation-knallfunken.3685.de.html?dram:article_id=448854

<https://tinyurl.com/yya9wa7x>

".....Das Hörstück „Knallfunken“ nutzt Miniaturblitze, um Funkenbildungen hörbar zu machen. An den Blitzableitern der Funkstation Nauen empfängt Raviv Ganchrow Impulse weit entfernter Gewitter...."

(The radio play "spark-gap" used miniature flashes to make sparkling audible. Raviv Ganchrow receives impulses from distant thunderstorms at the lightning conductors of the Nauen radio station.)

==> http://ravivganchrow.com/Pages/SparkGap/knallfunken_text.html

".....Knallfunken Circuitry

Knallfunken is a two-channel radiophonic work realized in collaboration with the Nauen shortwave transmitter in Brandenburg (the world's oldest continuously operating radio broadcaster) and Deutschlandfunk Kultur.

The earth and its atmosphere are a gigantic electrical habitat. Knallfunken is a literal circuit patched through diverse locales such as charged coils, sparking copper, tropical lightning, migratory cranes, swarming bees, 250 kW voltage, Central Asian & South American ground, New Zealand antennas, ionospheric refraction and autumn wind. Knallfunken revisits the miniaturized lightning of wireless telegraphy in order to listen to entanglements of its sparks. This piece sounds the material context of spark-gap transmissions through the site of long-range broadcasting (shortwave)."

"...Time Shift Fading

One recording in Knallfunken completed the journey from Germany to New Zealand eleven times, accumulating over 220,000 km of mileage in air

and a similar distance again over Internet cables. As distances increased, time also began to have its say: it was discovered while working with the recordings that the received sounds no longer synced with their sources, the duration of the received audio was slightly altered, as though somewhere along the journeying even time began to warp.

Disappearing and reappearing signals are commonplace for long distance transmission, particularly shortwave radio. While bouncing through the atmosphere, signals project multiples of themselves that superimpose in constructive and destructive interference at the receiver. The result is a characteristic wavering as the signal fades in and out of static noise. During the first transmission from Nauen, an inadvertent gap in the signal was projected to the other side of the globe, due to a momentary shutdown of a transmitter. Knallfunken ends with this transmitter silence sent three skips to the east via ionosphere-Central Asia-ionosphere-Mongolia-ionosphere-New Zealand and rebroadcast three skips to the west via ionosphere-North Africa-ionosphere-Uruguay-ionosphere-New Zealand....."

"...Signal Labyrinth

The most prevalent current in the lightning rod ground recording from Nauen is the 50 cycle per second power mains hum, a familiar sound that household appliances sometimes emit mechanically. Mains hum in ground is an artifact of the networked national power grids, inducing charge into the earth's topsoil.

Ground electricity whose frequencies include everything from electro-chemical behavior in plant roots, to eleven-year sunspot cycles, also entangle with anthropogenic frequencies. Within the dense electromagnetic knot at Nauen there also appeared an unexplained, high intensity, periodic pulse strong enough to imprint directly into the recorder's circuitry when the recorder was placed on the ground. Sharp audible clicks in the rooftop drainage pipe at Nauen -- not unlike the sound of sintering from an oven -- seemed to match the electrical spike pattern in the ground below. The ominous drone from inside the drainpipe turned out to be a ringing version of an electrical transformer buzz emitted from behind a metal door, at ground level, at the back of the building...."

Klangkunst, vom 23.08.2019, 00:05 Uhr = 22.08.2019 22.05z/UTC
Hörstück über drahtlose Kommunikation
Ursendung / First broadcast
Produktion: Deutschlandfunk Kultur 2019
Länge: ca. 54'30
Mit freundlicher Unterstützung des Mondriaan Fonds

<https://www.deutschlandfunkkultur.de/unsere-live-streams.2428.de.html>
<https://www.deutschlandradio.de/streaming/dkultur.m3u>
https://www.deutschlandradio.de/streaming/dkultur_hq_ogg.m3u
[https://www.deutschlandfunkkultur.de/programmvorgeschau.282.de.html?](https://www.deutschlandfunkkultur.de/programmvorgeschau.282.de.html?drbm:date=23.08.2019)
drbm:date=23.08.2019

"spark-gap" is part of a trilogy that explores the physical-material aspects of wireless transmission. Raviv Ganchrow, born in 1972 in the USA, lives as an artist and sound researcher in Amsterdam. In his texts and sound installations, he explores the relationship between sound, space and listening experience. Lecturer at the Institute of Sonology at the University of the Arts in The Hague.

(About 2 hours until the beginning of the first broadcast)
(roger thayer, germany, Aug 11, WOR iog via DXLD)

** GERMANY [non]. FRANCE/UAE, Confirmed on 15, 17 & 22nd August at 1600-1700 UT on 15275 kHz, DW via TDF Issoudun 130degr 500 kW in English(? wb) with news and Africa Link on 15th & 22nd and World Link on 17th August. hfcc.org show still Amharic <www.dw.com/amharic> On previous \\ 13770 kHz goes on in Amharic via Al Dhabbaya-UAE (Rumen Pankov-BUL, wwdxc BC-DX TopNews Aug 16 / 23, BC-DX Aug 24, via WORLD OF RADIO 1997, DXLD)

Hi Glenn! I sent the enclosed info without any answer, hoping You may include this in WOR/DXLD plus the text from Voice of Germany/Deutsche Welle as an answer of my letter in German, but they wrote these broadcasts in English are due to the mistakes of the Provider. 73s, Rumen.

Germany: Confirmed on 15, 17 & 22nd August at 1600-1700 on 15275 DW in English with news and Africa Link program on 15th & 22nd [Thu] and World Link on 17th August [Sat]. On previous // 13770 goes on in Amharic (Rumen Pankov, Bulgaria, Aug 26, WORLD OF RADIO 1997, DX LISTENING DIGEST) Viz.:

Von: rumen_pankov@abv.bg
An: info@dw.com
Datum: 22.08.2019 11:38
Betreff: New broadcast on short wave

Lieber herr Redakteur, an 15te August 2019, meldete ich eine neue Sendung in englische Sprache auf kurzen Welle von der Deutsche Welle ausgestrahlen. Das war von 16 bis 17 Uhr UTC auf 15275 kHz. Informieren Sie mir bitte ob diese Sendungen gehen weiter. In diese Sendung waren Nachrichten und Africa Link. Mit freundlichen Gruessen, Rumen Pankoff, Sofia, Bulgarien. Empfang war mit portative Grundig YB80 und 6 Metern Draht Antenne.

RUMEN PANKOV
P.O.BOX 199
SOFIA 1000
BULGARIEN

Informationen zu dem Kontakt dieser Zuschrift:

Anrede: Herr
Vorname: Rumen
Nachname: Pankoff
Stadt: Sofia
Land: Bulgarien
Kontaktwunsch: Ja

Diese Zuschrift bezieht sich auf den folgenden Artikel:

Titel: Contact

URL: <http://www.dw.com/en/service/contact/s-30606>

Fwd: RE: New broadcast on short wave

Fehler d. Provider is Mistake of Provider.

Sehr geehrter Herr Pankov, vielen Dank für Ihre Zuschrift und Ihr Interesse an der Deutschen Welle.

Dies war ein Fehler durch den Provider, über den wir unsere Kurzwellenangebote ausstrahlen. Es wurde versehentlich das das Englische Programm-Signal anstelle des Amharischen Programms auf dieser Frequenz gesendet.

Unsere englischen Radioprogramme sind seit zwei Jahren nicht mehr über Kurzwelle zu empfangen. Dieses werden nur noch per Internet und lokale FM-Stationen in den Zielmärkten verbreitet.

Mit freundlichen Grüßen

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dw.com/service/german
dw.com/servicio

Keep in touch with us and stay up to date on everything DW can offer you! If you haven't updated your contact information in a while,

please use this link: dw.com/your-info.

Übrigens: Gerne informieren wir Sie weiterhin über aktuelle Angebote aus unserem Hause. Damit Sie diese zuverlässig erhalten, aktualisieren Sie Ihre Kontaktdaten bitte hier: dw.com/ihre-daten.

Importante: Para nosotros es un placer seguir informándole con nuestra oferta de actualidad. Para recibir nuestros contenidos de forma segura, por favor, actualice sus datos de contacto aquí: dw.com/sus-datos.

(all via Rumen Pankov, Bulgaria, Aug 26, DXLD)

** GUAM. KTWR DRM to India --- Effective 24th Aug, KTWR DRM slot on 11580 kHz to India has been moved to Saturday (instead of Monday). The time remains same 1215-1245 UT (1745-1815 IST) ----- (Alokesh Gupta, New Delhi, India, Aug 23, dx_sasia yg via DXLD) NOT GUAM:

** GUAM [non]. And a small change of KTWR Trans World Radio Asia in DRM effective August 24: [TRM = Trincomalee, SRI LANKA]
1215-1245 11580 TRM 100 kW / 285 deg to SoAs English Sat, ex Mon.

Very bad frequency selection, this frequency is used by Sound of Hope & CNR-1 jamming. [Recommended:] Emergency frequency change: free channels are 11520, 11550, 11555 & 11570 kHz (Ivo Ivanov, SWLDBulgaria News August 23, DX LISTENING DIGEST)

** GUAM [and non]. BRB Living Water Ministry Broadcasting via KTWR Agana, August 27:
1516-1616 6055 TWR 200 kW / 320 deg NEAs Korean Tue-Fri, fair and QRM same time 6050 LHA 100 kW / 290 deg EaAs Chinese PBS Xizang very good Wrong frequency announcement in English: on 5905, instead of new 6055 <https://swldxbulgaria.blogspot.com/2019/08/brb-living-water-ministry-broadcasting.html>
(Ivo Ivanov, SWLDBulgaria News August 27-28, WOR iog via DXLD)

** HAWAII [and non]. 10000, Aug 23 at 1150, WWVH only, with same ``MARS interoperability exercise`` announcement as on WWV at :10, but this by of course a YL voice, ending by referring to a listener survey at a URL spelt fonetikaly as I previously reported. Have you filled it out yet? Current announcements were to stop after Aug 24. And yes, the unwarranted RTTY QRM is still there from 10002+ (Glenn Hauser, OK, DX LISTENING DIGEST)

** INDIA. 1134: With the reactivation of AIR 1000 kW-station on 1134 kHz at Chinshurah, the tests have been daily with good signal in Sweden in late evening. Tests started around 1800 UT. Suddenly the tests stopped a few days ago (Dan Goldfarb, Mauno Ritola, ARC and

Bengt Ericson, ARC 20.8.2019 via ARC mv-eko 26 Aug via DXLD)

Hello Friends, Please look out for All India Radio Super Power Transmitter at Chinsurah on 1134 kHz tonight after 1800 UT onwards (11.30 pm IST) for test transmissions. Today tests are with about 700 kW. Reports may be sent to chinsurah@prasarbharati.gov.in
Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, Aug 28, WOR iog via DXLD)

The tests on 1134 kHz were conducted early morning today at 12:30 am to 02:30 am IST (1900 to 2100 UT) (Jose Jacob, Aug 29, *ibid.*) so UT date was Aug 28! (gh)

** INDIA. 5040, AIR Jeypore, 1327-1400, Aug 23. Special live coverage in English (accented) and Hindi, of the India vs West Indies cricket match being held in Antigua; semi-readable; a few commercial announcements (Hindi); breaking for news in Hindi (1345-1355); preempted regular programming. My audio at <http://bit.ly/30uU1Hp>

Re: AIR Jeypore with live cricket coverage: Aug 24 - AIR Jeypore (5040), 1335-1410, with identical format as heard yesterday (same teams playing), including the 1345-1355 news break. Reception not as good as yesterday.

5040, AIR Jeypore, 1330-1345, Aug 25. Another day of special live coverage in English (accented) and Hindi, of the India vs West Indies cricket match being held in Antigua; semi-readable; into the news in Hindi (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

** INDIA. [WOR] Indian Prime Minister's Address to the Nation today

Today Sunday 25 Aug 2019 from around 1055 am to 1130 am IST (0525 UT to 0600) there will be Mann Ki Baat program by Hon'ble Prime Minister of India Shri Narendra Modi which will be broadcast by all stations / channels of AIR. Look out on special frequencies 7340 Mumbai, 9380 Aligarh, 9865 Bengaluru, 9950 & 11620 Delhi. Reports of AIR to: spectrum-manager@prasarbharati.gov.in

Please see:
<https://pmindiawebcast.nic.in/>

All Doordarshan TV Channels also will telecast it.
<http://prasarbharati.gov.in/DDLive.php>

-- Thanking you, Yours sincerely, Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, Aug 25, WOR iog via

DXLD)

** INDIA [non]. ARMENIA, Trans World Radio India via CJSB Yerevan on August 28:
1535-1539 on 9300 ERV 300 kW / 100 deg to SoAs English Mon-Fri, good
Wrong freq. announcement: 7550 kHz (B18), instead of 9300 kHz (A19)
<https://swldxbulgaria.blogspot.com/2019/08/trans-world-radio-india-via-cjsc.html>
(Ivo Ivanov, SWLDBulgaria News August 28, DX LISTENING DIGEST)

** INDONESIA. See BOUGAINVILLE

** INTERNATIONAL INTERNET. ZENO MEDIA LAUNCHES ZENO.FM FOR
INTERNATIONAL RADIO STREAMING Posted on August 21, 2019 by Brad Hill

<https://rainnews.com/zeno-media-launches-zeno-fm-for-international-radio-streaming/>

Zeno Media is announcing today the launch of Zeno.FM, an online directory of streaming radio stations around the world. Zeno specializes in providing local-radio listening to diaspora communities that cannot access broadcast signals from their native homes.

Visitors to Zeno.FM can quickly scan stations from Jamaica, Brazil, Mali, Ghana, Haiti, South Africa, India, Senegal, Mexico, Nigeria, and other far-flung territories. As such, Zeno's portfolio of streaming clients not only serves native audiences, but provides a fascinating tour of international radio for anyone interested in world music and world broadcasting.

Zeno has promised a mobile app in September.

"Zeno Media strives to make the broadcasters' experience as seamless as possible. With Zeno.FM, we have taken another step in that direction. Diaspora communities are looking for more content than ever, and Zeno.FM, gives them another channel to stay connected. In just its first few months, Zeno.FM has on-boarded over 25,000 streams with 500,000+ Monthly Active Users (MAU) listening to content on web and mobile devices," said Morris Berger, Zeno Media's CEO.

Chaim Gross, Zeno Media's Head of Product added: "Building a product that utilizes advanced search technology is exciting, but seeing the product grow so rapidly in terms of listeners and broadcasters is even more rewarding. As a company facilitating connections between listeners and broadcasters and striving to make those connections more enriching, Zeno.FM is a definite win-win." (via Benn Kobb, DXLD)

** INTERNATIONAL WATERS [and non]. Caribbean Weather Nets; The Caribbean Compass website

<http://www.caribbeancompass.com/>

has a very nice current list of weather nets. Down towards the bottom of the page there is a link for "Selected Shortwave Weather Reports 2019" which goes to a PDF last updated in June 2019. It looks like they update the list regularly.

These nets tend to be hard to hear in the summer, but can come in quite well the rest of the year. Some do traffic before and/or after the reports and you can hear communications with yachts around the region (Don Moore, MARE Tipsheet 23 Aug via WORLD OF RADIO 1997, DXLD)

** IRAN [non]. UNKNOWN LOCATION, Radio Ranginkaman/Radio Rainbow, August 25

1630-1700 on 7580 Tashkent or Dushanbe to WeAs Persian, weak
<https://swldxbulgaria.blogspot.com/2019/08/reception-of-radio-ranginkamanradio.html>

(Ivo Ivanov, SWLDBulgaria News August 24-25, DX LISTENING DIGEST)

** IRELAND. RTÉNL Technical Information

Service Notification: 2rn - Summerhill, Co. Meath

<https://www.rte.ie/aertel/desktopxhtml/169-13.html>

Due to extensive engineering work on the transmission mast infrastructure at our station at Summerhill, Co. Meath, the RTÉ Radio 1 LW service will be off air from 09:00 on 10/09/19 to 17:00 17/10/19. 2rn apologise for any inconvenience caused by this necessary infrastructural work (via Mike Terry, WOR iog via WORLD OF RADIO 1997, DXLD) what's the NL? 2RN an obscure [non] callsign? (gh)

** ITALY. Time Signal Station ItalCable on August 26

from 0630 on 10 MHz CUSB Italian, weak/fair signal:

<https://swldxbulgaria.blogspot.com/2019/08/reception-of-time-signal-station.html>

(Ivo Ivanov, SWLDBulgaria News August 26, DX LISTENING DIGEST)

** KASHMIR [non]. BBC increasing its broadcasting to Kashmir.

<https://www.cnn.com/2019/08/16/business/bbc-kashmir-india-shortwave-radio/index.html>

(via Joel Ashby, MARE Tipsheet 23 Aug via DXLD)

** KOREA NORTH [non]. GUAM. New frequency of Living Water Ministry Broadcasting on August 23:

1516-1616 6055*TWB 200 kW / 320 deg Korean Tue-Fri, fair, ex 5905
to avoid same 5905 KAS 100 kW / non-dir Russian China Radio Int.CRI &
from 1600 on 5905 PIN 010 kW / non-dir German Deutscher Wetterdienst

*plus QRM 6050 LHA 100 kW / 290 deg EAs Chinese PBS Xizang, very good
Wrong frequency announcement in English: on 5905, instead of new 6055

<https://swldxbulgaria.blogspot.com/2019/08/new-frequency-of-living-water-ministry.html>

(Ivo Ivanov, SWLDBulgaria News August 23, DX LISTENING DIGEST)

** KOREA NORTH [non]. new 5980 // 6070, Shiokaze/Sea Breeze, ex: 5920 & 6040, Aug 29. Changed back to their alternate frequencies today; 1311, with "Newsflash" items in English (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1997, DXLD)

** KOREA SOUTH. 4885, Echo of Hope - VOH, "Easy English," "podcast" on Aug 25, at 1347; the usual strong signal, resulting in good reception. My audio at <http://bit.ly/2zpF2Tf>

5857.5 AM, HLL2 Seoul. On Aug 26, pleasantly surprised to hear the clearest audio I have ever heard here; normally is rather muffled; 1212-1218, in English; then into Japanese. My audio at <http://bit.ly/2zplkXW>
(Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

4885, Echo of Hope - VOH. Seems to be changing their schedule a lot these days. Not long ago the 1240-1300 time slot was for the language lesson "Easy English," but that was re-scheduled to different times. Checking Aug 27 & 28, heard a rather different program 1240+; programming was unique in that it consisted of an audio of non-stop English, but was rather weak, underneath a much stronger audio in Korean, with a running translation of the underlying English. Perhaps a lecture? First time I have heard this, after almost daily monitoring. At 1300, the usual "Onule Soshi" (Today's News). My audio at

<http://bit.ly/2MHgOg4>

with two minutes of the double audio and one of "Onule Soshi" (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

** KOREA SOUTH. 6015, KBS Hanminjok Bangsong 1, August 29, a special treat 1216+, as there was no N. Korea jamming today (very rare); jamming still off at last 1316 check; IDs "K B S News," with several clips in English during the news; also very unique to have a chance to hear the presumed PBS Xinjiang QRM underneath KBS. My audio at <http://bit.ly/2PnK3ql> (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

** KOREA SOUTH [non]. 9605 rather 9604.993 kHz lower sideband flank, KBS Seoul likely program? dull western pop music, why no Far Eastern Asia culture program? via Furman SC relay site. 11 kHz wideband

signal, excellent audio quality, KBS Spanish, native Mexican/Cuban Spanish presenter. Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD)

** KUWAIT [and non]. ALGERIA/KUWAIT, Radio Sawa on MW 1548 kHz is under strong rumbling signal with UNID station in Arabic at 2200-2350 UT on approx 1551 kHz - maybe RASD from Tindouf-Algeria refugee camp? (Rumen Pankov, Bulgaria, wwdxc BC-DX TopNews Aug 16, BC-DX Aug 24, DXLD)

On 1550.024 kHz at 2141 UT noted Arabic language radio stn on Aug 23. wb (Wolfgang Bueschel, ibid.)

** KUWAIT. 17550.0 & 17550.6, Aug 23 at 2013, two JBA carriers. One of them no doubt the ridiculous Radio Kuwait C&W North American service in Arabic at 20-24; the other perhaps a local birdie. MOI Kuwait may well be the one typically way-off-frequency (Glenn Hauser, OK, DX LISTENING DIGEST)

Fair signal of MOI Radio Kuwait in 19mb, August 26
0500-0800 on 15529.8 KBD 250 kW / 310 deg to WeEu English:
<https://swldxbulgaria.blogspot.com/2019/08/fair-signal-of-moi-radio-kuwait-in-19mb.html>
(Ivo Ivanov, SWLDXBulgaria News August 26, DX LISTENING DIGEST)

From August 27 Radio Kuwait Urdu Sce will be in DRM mode
1600-1800 on 15540.0 KBD 250 kW / 100 deg to SoAs Urdu DRM, ex AM
1800-2100 on 15539.7 KBD 250 kW / 310 deg to WeEu English DRM A19
<https://swldxbulgaria.blogspot.com/2019/08/from-august-27-radio-kuwait-urdu-sce.html>
(Ivo Ivanov, SWLDXBulgaria News August 27, DX LISTENING DIGEST)

17550, R Kuwait (presumed the one) at 2030, ME music, dialogue with two men in Arabic. Presumed, as I never did catch a good solid ID. unfortunately - Fair/Good August 28 (Rick Barton, Arizona SW Logs, Unless otherwise stated, equipment is Grundig Satellit 205/T.5000, RS SW-2000629 with various outdoor wires & indoor shortwire. 73 and Good Listening.....! - rb, WOR iog via DXLD)

** MADAGASCAR [and non]. 11610, Aug 25 at 2201, S4-S6 of dead air; must be MWV not turned off after 21-22 Chinese hour to Europe. Transmitter not needed for next broadcast, 22-23 on 11790 Chinese to Europe, or 11965 Chinese to China? Not recalling those frequencies, I do not check them.

(At 0119 Aug 26 I notice an S6-S8 JBM signal on 11610, wondering briefly if MWV still be stuck? Rather WEWN English allegedly eastward

to Africa in its nightmiddle, which is never a decent signal here)
(Glenn Hauser, OK, DX LISTENING DIGEST)

** MALI. 5995, Radio Mali, Bamako, 1850-, 24-08, English, news about Mali and other African countries. 34433 (Manuel Méndez, Lugo, Spain, Log in Lugo, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

5995, Radio Mali, Bamako, *0546-0610, 28-08, open with African songs, ID "ORTM, la passion du service publique", at 0556 tuning music, anthem, tuning music, ID French, "Vous écoutez L'Office de Radiodiffusion Télévision du Mali émettant de Bamako...", program "ORTM Matin", vernacular comments. 34433 (Manuel Méndez, Lugo, Spain, Logs in Friol and Lugo, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

** MEXICO. 830, XEDTI, Quiéreme, México, CDMX, 1115 August 22, 2019. "One More Night" by Phil Collins, man canned "Escuchas Quiéreme, 8-30 AM" into "Perfecta" by Miranda! y Julieta Venegas. Full ID with calls, slogan, street location at 1128, into government PSA, promo for La Hora Nacional regional segment times for a couple of states, then pastor preaching (presumed brokered block), opening with a "señor dios" reference and mention of his church and phone number from 1130. Faded completely by 1135. Parallel station web stream with the preacher continuing through 1145 tune-out. This is the former Radio Capital branding.

1350, MEXICO, unidentified, 1102, August 22, 2019. Choral anthem in progress until 1106, man right after. Threshold, impossible to ID. First Mexican for me on 1350 kc/s from here or my previous Florida location [Clearwater]

1390, MEXICO, unidentified, 1102, August 13, 2019. Very different slow, orchestral version of the Mexican anthem in progress. Poor, and lost immediately after to WMER. Unheard since on almost daily checks to date since (Terry L. Krueger, Niceville, FL, All times/dates GMT, IC-R75, ICF-7600GR, active loop, DX LISTENING DIGEST)

** MEXICO. 650, Aug 23 at 1200, Radio 65 ID mentioning elevation of its antenna, presumably referring to FM where that matters. WTFDA FM Database shows XHTNT-FM on 100.5 from Los Mochis, Sinaloa, 10/10 kW at a height AAT of 185.76 metres --- which is nothing special, but admittedly higher than anything else in Los Mochis, and in fact exactly the same as for 104.3 XHREV-FM; hmm, and exactly same coördinates, which tell us something. XHTNT used to be on 106.5, commensurate with its AM slogan which they are still using and transmitting.

Unfortunately awake this early, I had been tuning SRS Mexicans for a semihour and hearing most of the usuals below 800 kHz, altho the more easterly ones were fading out circa 1140. Enid LSR 1156 UT, and XETNT now about to outfade (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. XEAAA-880 to go dark Sept 7 [GUADALAJARA] --- XEAAA, Radio Mujer 92.7 (format swapped with XEBBB-1040 a while back) has just informed me that they will turn off 880AM for good on Sept 7th. This will leave the once-crowded frequency of 880 kHz totally vacant in Mexico, at least until XECHEP Ciudad Juárez (replacement for the old XEV which has moved to FM) comes on the air. 73 (Tim Hall CA, Aug 19, ABDX yg via WORLD OF RADIO 1997, DXLD)

** MEXICO. Weird: XESDD-1030 ID'd itself as XEPRS-1090! Here's an oddity for you: From last year's session at the Nevada-Utah border, my local pest XESDD-1030 Puerto Nuevo BCN somehow managed to deliver a top-of-hour ID for XEPRS-1090! Although the group that operates XESS-620, XESDD-1030, XEC-1310 and XEPE-1700 often sends the wrong feed to their various stations, I have never heard them run an ID for a station they are not even affiliated with! This is the "classic" pre-recorded ID that XEPRS has been using for possibly 30 or 40 years. 73 (Tim Hall, CA, Aug 20, ABDX yg via DXLD)

** MEXICO [and non]. RAYMIE'S MEXICO BEAT August 23-29 incl. TDT/DTV

Get ready, because the IFT-8 train is on the tracks.

The IFT today opened 20 days of public comment on the rules for the new auction. Frequencies will not be announced at this stage, but we have a list of cities and classes. 319 stations in all are on the list, with 234 FMs and 85 AMs.

Of the FMs, 33 roll over from IFT-4 and the rest came from the last four PABFs (42, 27, 77 and 55). There are 4 rollover AMs and 11, 30, 29 and 11 assignments from the last four PABFs.

Comment is open through September 23 (Raymie Humbert, Phoenix AZ, August 26, WTFDA Forum via DXLD)

Second-wave migration can be blamed for a few changes this week.

One is in Guadalajara. After more than 40 years with the same name, XEKB Canal 1410 is ditching that long-running name to begin simulcasting XHFAJ Alfa in Mexico City on XHKB-FM 99.9. The changes take effect September 2. GDL has one remaining migrant to sign on (XHWW-FM 101.5).

Another is in Nogales...Arizona. The University of Arizona has filed

an STA to take K216GI 91.1, translator for KUAT 90.5 Tucson, silent since July 18.

https://licensing.fcc.gov/cdbs/CDBS_Attachment/getattachment.jsp?appn=101808893&qnum=5000&copynum=1&exhcnun=1

UA says that the startup of XHXW-FM 90.3 has made it impossible to receive KUAT's signal over the air and a new delivery path is required (Raymie, Aug 26, *ibid.*)

I know it's been a while, but I've got good news for TV DXers.

Puebla's getting a channel 4! And not a virtual channel 4, a physical channel 4!

XHCSBA-TDT will be owned by Red Global Cultural de Televisión, A.C., and was approved earlier this year. It is the first VHF in this metropolitan area, and outside of the MVS mess, the first low-VHF period in Mexican digital television.

Who knows when it will sign on, but at least it's been approved! (Raymie, Aug 28, *ibid.*)

Thanks for the channel 4 info, Raymie. It'd be nice to have a Mexican DTV to look for during E-skip season. Also, I've heard rumors of a DTV 2 from Distrito Federal; Any truth to this? Please keep us posted. FWIW, I've logged only one DTV from Mexico, XHOR 33/7 Matamoros. 73, (Ed NN2E, Owner / Operator - Murphy's Law Test Site & Thunderstorm Proving Grounds, *ibid.*)

It's true, but it's also very complicated. There's a component that is a repack element of a strange loophole-y channel 51 subscription TV service in Mexico City, and there's a component that is said service's fight to become a normal broadcast TV station and resulted in a Supreme Court ruling and it's kind of been silence since the IFT complied with it.

(Also, the Distrito Federal name has been off the books since 2016, it's now legally Ciudad de México) (Raymie, Aug 29, *ibid.*)

OK, thanks for the info. It'll be interesting to see how it all works out. RE: Federal District vs Mexico City. Old habits die hard... When I was first learning about Mexico / learning to speak Spanish (in the 1960s) either reference was acceptable. 73, (Ed NN2E, *ibid.*)

Cultural and Christian: Red Global Cultural de Televisión, A.C.
Christian television comes to Mexico on its first low-V

So, there's a lot to the award of Mexico's first honest-to-goodness

low-VHF TV station. It's a noteworthy award for DXers; once built, it will be the first e-skip target for TV here since 2015. However, this is a landmark award in another way.

We've talked a lot about religious radio this year, but now it's time to take religious television seriously, because that's what's coming on the new XHCSBA-TDT 4.

This is the second time that Red Global Cultural de Televisión has filed an application for a TV station. It actually had its first attempt denied on March 9, 2018.

In 2017, the Organización de Radios Comunitarias de Occidente filed the first ever transparency request for a list of pending social broadcast station applications from the 2015 through 2017 PABFs. That landmark filing—which inspired the later transparency requests made by En Frecuencia for the 2018 PABF, all pending pre-LFTR permit filings, the public stations of 2015-17, and an update to said social list to include dates and proposed service—included this application.

At the time I published the list, I noted that Red Global Cultural de Televisión was likely tied to a Christian network called Expande TV. Well, it's true.

The legal address for Red Global Cultural is Calle La Hacienda 4401-G, Col. Santiago Momoxpan, in San Pedro Cholula. This address is a building with several suites, all of them part of the same church and media conglomerate.

"Cultural Christian Television Network"

A job board area for Red Global Cultural, <http://www.sternet.com.mx/Empresas/Red%20Global%20Cultural%20de%20Televisi%20u00f3n%20Au0002e%20Cu0002e> with this address, lists the website www.rgctv.com —*currently a placeholder — and includes a description of the company:

``RGCTV es un canal que presenta una nueva alternativa de ver televisión. Nuestra misión es hacer llegar a toda Iberoamérica y el mundo, una señal televisiva de excelencia y calidad, cuyos contenidos no solo puedan entretener, educar, enseñar y capacitar; sino transmitir valores que edifiquen a cada miembro de la familia, y les puedan ayudar en su diario caminar en la vida.

Estableciendo la Red de Televisión Cultural Cristiana en español más grande de América y del Mundo entero, en donde cada persona pueda tener acceso directo a una programación dinámica, activa, práctica y sencilla, que le ayude a enfrentar los retos que le impone la sociedad

en la que convive; y que le permita descubrir, entender y desarrollar todos sus dones y talentos, para así alcanzar sus metas y propósito en la vida.

Nuestra visión es hacer llegar a cada miembro de la familia, programas que ayudan al desarrollo integral y que colaboran en la edificación en principios, ética, integridad, moral y valores, al mismo tiempo que entretienen de manera sana, y brindan capacitación y enseñanza.''

Translated:

' 'RGCTV a channel that presents a new alternative in television. Our vision is to bring to Iberoamérica and the world, a quality television channel whose programs not only entertain, educate, teach and train, but also transmit values that edify the whole family and can help them in their daily lives.

Establishing the largest Cultural Christian Television Network in the Americas and the whole world, in which each person can have direct access to a dynamic, active, practical and simple program lineup that helps them to confront the challenges they face in the society in which we live and that allows them to discover, understand and develop all of their gifts and talents, in order to reach their goals and purpose in life.

Our vision is to bring to every member of the family programs that aid their comprehensive development and that help to edify them in principles, ethics, integrity, morals and values, while at the same time entertaining them in a healthy manner and providing training and teaching.''

It appears that this is one of several "TV"-named ventures that are related; there's also the Expande TV I had mentioned last year, which has its own placeholder site. There might also have been some name changes.

The rest of the tenants of La Hacienda 4401, as well as Red Global Cultural de Televisión and Expande, are ministries and programs associated with a church known as Amistad. Amistad Comunicaciones Editorial, for instance, is at 4401-A. It is a religious publisher that produces an online newspaper (América Nueva); several monthly publications for children; and religious books and DVDs. 4401-B is the Instituto Bíblico España, a training institute for pastors and churches certified by the Christ for the Nations Institute of Dallas, TX, which has four other campuses in Puebla, Córdoba (Veracruz), and Tuxtepec (Oaxaca). 4401-C is home to the Instituto Juárez-Lincoln, which despite its name is indeed a Christian school. Amistad also runs a foundation called Salvemos la Familia (Save the Family). The

complex, built around an 18th-century hacienda, has 10 buildings, including an auditorium that can seat 5,000, as well as a bookstore and café.

They're Not Alone

In the 2017 PABF, Red Cultural de Comunicaciones, A.C., filed for a community TV station in Villahermosa. This is another Christian channel, Sion TV. Radio Metro Misión Potosina in the 2018 PABF sought social TV stations in Chihuahua and Toluca. Arlene Jasmine Elsie Alvarado Cuéllar, who last year nabbed XHCSAC-FM 94.3 Mapastepec Chis., filed last year for a new TV station in Matamoros. Alvarado Cuéllar's application is in a mutually exclusive group with an application from Claudia Méndez Villagómez, who is listed as one of the members of a Pentecostal church—and a ministro de culto, which should result in the denial of this application—called Impacto de Vida in its 2012 incorporation application with SEGOB.

http://dof.gob.mx/nota_detalle.php?codigo=5273542&fecha=18/10/2012

The IFT Isn't Wrong

We learned from the La Visión de Dios application that the IFT's criteria are simple: don't be a religious association and don't be a ministro de culto or partly owned by one. (Though XHPBJZ and XHPEEF seem to have avoided this.) So the IFT is in the right to let this application move forward, and it beats out Instituto Michoacano de Radiodifusión in terms of filing order and also number of other stations filed for. (If you're a serial filer, you actually may be at a disadvantage, according to the IFT's criteria for resolving these MX groups.) It's the first social TV station for Puebla and it will almost certainly offer something different from other stations in town. (It will also have a headache of a time getting viewers equipped to see it on low-VHF.) La Visión de Dios mostly attracted attention for its name, given that the IFT—and its predecessor—had already approved stations to quasi-religious groups in the past. However, this is a substantive leap, because never before has such an award been made of a television station.

[tagline:] Este programa es público, ajeno a cualquier partido político. Queda prohibido el uso para fines distintos a los establecidos en el programa (Raymie, Aug 29, *ibid.*)

** MEXICO. 6184.994 kHz, again XEPPM R Educacion, on lower side flank. 0102 UT. Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD)

6185, Radio Educación, Ciudad de México, 0350-0358, 28-08, classic

music, ID "Esto [sic] es Cultura México, Señal Internacional". 24322 (Manuel Méndez, Lugo, Spain, Logs in Friol and Lugo, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

** MONGOLIA. 7260, Mongolian Radio P3 (presume FM100.9 relay). On Aug 25, with decent signal, but over-modulated; 1125, in vernacular and pop songs in English; recently doing much better over the QRM on frequency. My audio (minute of talk, one of music) at

<http://bit.ly/2MLNXaD>

The daily schedule is listed at their Mongolian site

<http://bit.ly/2VjlexD>

(Google translation to English) (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1997, DXLD)

** MYANMAR. Reception today (23 August) around 12:40 UTC on 5985 kHz at the time of the language lessons was quite poor for me here in Indian Wells, CA, with a weak signal, noise and a bit of splash from a neighbouring frequency. I could tell it was English, in part, and a man and woman talking and I caught a few words now and then but it was mostly unusable. Reception improved a bit later, though, with music and I caught the hourly gongs -- a first for me at 1330 UT (— Richard Langley, WOR iog via DXLD)

5985, Myanmar Radio, 1250-1300, Aug 23 (Friday). Two programs of "Learning English with BBC, Burmese" (1st about discrimination in the workplace and 2nd about landlords changing too much rent in London) (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)

** NETHERLANDS [non]. The mighty KBC Radio is moving, We are moving frequency! Moving frequency! We will change frequency from 9925 kHz to 5960 kHz starting September 1st. Sunday 0000-0200 UT. Please spread the word! Good luck hearing the frequency (via Richard Lemke, AB, Aug 29, WORLD OF RADIO 1997, DX LISTENING DIGEST)

Effective UT 1 September, therefore this Saturday night in the Americas, The Mighty KBC changes to 5960 kHz for its broadcast to North America at 0000-0200 UT. Replaces 9925. Transmitter site is Nauen, Germany. Great and often obscure oldies with Dave and Eric. And a minute of MFSK64 at about 0130 UT (Kim Elliott, *ibid.*) by Kim

** NEW ZEALAND. Re: [WOR] DRM Test on 9760 kHz? when logged ? when heard ? 1936-2058 UT, HFCC.org registered RNZi Rangitaiki DRM mode transmission on Sun - Fri only. 73 wb (Wolfgang Bueschel, WOR iog via DXLD)

Indeed, this could have been RNZI. There was a brief bit of English

language audio during the initial tune up and this could very well have been Kiwis. So, just a test or has RNZI changed their schedule? Only one transmitter still operational? (-- Richard Langley, Aug 23, WOR iog via DXLD)

As I discovered a while ago in a different case, during the RNZI maintenance period they may fire up each frequency briefly even outside its normal hours (Glenn Hauser, ibid.)

[Re 9760 unID] Yes, I should have checked 13840 and then 9700 kHz but wasn't thinking about their monthly test day, which I thought was the first Wednesday of the month (-- Richard Langley, WOR iog via DXLD)

** NIGERIA. 15120/DRM, Voice of Nigeria (Mode C/16-QAM SDC & MSC) with English, including "Women & development" feature talx re health care for women in Nigeria (AIDs & other sexually transmitted diseases featured prominently), BoH ID as "from the center of unity, Abuja & the shores of the Atlantic Ocean Lagos, this is Voice of Nigeria" by OM over flutes & drums. audio ID attached: [originally]

Into African rhythm vocal music bumper that dropouts didn't really help any, T/C in GMT & more features. English news followed that, into features about women entrepreneurs [make that entrepreneuses --- gh] in Nigeria, housing for public servants in Abuja, in "African Hour" news magazine show. Another ID 1830 & programme ID, then news headlines, some decidedly 'Arabic' sounding music/chanting from Hausa area in NW Nigeria & more English feature stories about topics like health issues, etc. They had a LOT to say about Ebola in the Congo for some reason! Also had economic news, mention of the political situation in Sudan & much discussion of silly sports news from Africa. News headlines to end out the hour & off with invitation to tune in again tomorrow & horn & drum tuning signal.

If only this came in more regularly, it might actually help with keeping up with what's going on in Africa now that South Africa is gone from the airwaves & Egypt is all but gone, and nobody else is stepping up!

12-13 dB S/n mostly & well over an hour of audio resulted from the 1723-1855* (ish- I was recording as I worked outside!) broadcast, so fair/good I guess. Audio ended up sounding 'stuttery' with all the brief cut-outs! 17/Aug (Ken Zichi, Port Hope MI2, SDRplay + SDRUno + FLDigi for digibits + DReaM + randomwire, MARE Tipsheet 23 Aug via WORLD OF RADIO 1997, DXLD)

[The media magazine you monitor with your mind, World of Radio 1997]

** NIGERIA. 7255-, Aug 28 at 0607 check, NO signal from VON. How can a major (well at least high-power) world broadcaster be so unreliable? (Glenn Hauser, OK, DX LISTENING DIGEST)

** NORTH AMERICA. 7470, YHWH (religious pirate) 0430+ 8 & 9 August. Marginal propagation or his amp went 'blooie', as signal at best was very poor both days; probably propagation as the last few times I've heard YHWH, the signal was fair-good, but bothered by really deep fades (Dan Sheedy, Encinitas/Moonlight Beach, CA, Executive Satellit/6m X wire), via Bob Wilkner, NASWA iog via DXLD)

It's Yahweh or the Highway again on 7470, 0244 UT, 8/25. 73 and Good Listening...! (- rick in AZ barton, WOR iog via DXLD)

7470 YHWH, Poor to fair reception here in Indian Wells, CA, at 0448 UT through to about 0505 when I tuned out. First time hearing him for me. Typically not heard on the east coast (- Richard Langley, 0533 UT Aug 25, WOR iog via DXLD)

7470, UNITED STATES (Pirate), YHWH (in progress at tune-in) at 0240. Josiah with usual monologue. Heard on SW-2000629 and outdoor longwire, very strong S-9 at tune-in. Not mincing words ("Catholic whore church"), the usual vitriol against Catholicism, Christianity, gays, "war mongers" etc. Seemed to be wrapping up at the ToH, then went on with more. Creepy "Days of Hard Life" song at 0347, "a short letter". Faded out around 0455, came back up briefly around 0457, then faded out again. Barely audible after 0500. We could still detect a carrier with BFO engaged, but called it a night - Very Good August 25.

7470, YHWH (in progress at tune-in) at 0300. Josiah with usual monologue. Heard well here with Grundig Satellit 205, indoor shortwire - Very Good August 26 (Rick Barton, Arizona SW Logs, Receptions on analogue receivers, verified by a nearby rig with digital dial are marked "checked". 73 and Good Listening.....! - rb, WOR iog via DXLD)

7470, UNITED STATES (Pirate), YHWH At 0240. In progress at tune-in. Josiah with the usual monologue. Still going after 0300 - Very Good August 28 (Rick Barton, AZ, WOR iog via DXLD)

Hearing this now too, long deep fades but on peaks, it's good (Paul, Laramie WY, Walker, ABDX yg via DXLD)

7470, UNITED STATES (Pirate), YHWH At 0240. In progress at tune-in. Josiah with the usual monologue. Still going after 0300. At 0325 deep fadedown (we thought he had gone off), returning 0330, but fair signal. Hammered with OTH radar blasts just as Days of Hard Life creepy song started up at 0347. Gone at 0350, under radar pulses -

Very Good/Fair August 28 (Rick Barton, Arizona SW Logs, Unless otherwise stated, equipment is Grundig Satellit 205/T.5000, RS SW-2000629 with various outdoor wires & indoor shortwire. 73 and Good Listening.....! - rb, WOR iog via DXLD)

** NORTH AMERICA. Mix Radio International. Monday, August 19, 2019, 0016, 5900 usb. Music by The Pretenders, "Message of Love." 0019, Mix Radio International robo-ID, and into "No More Words" by Berlin. 0023, "The hottest sound is at Mix Radio International" and into "I Ran" by A Flock of Seagulls. 0027, "Heaven" by The Psychedelic Furs. 0030, "Rock Lobster" by the B-52's. Solid s9 signal, very good signal and sound (Larry Will, MD, WORLD OF RADIO 1997, DX LISTENING DIGEST)

** NORWAY. Latest from Radio Northern Star, Bergen, Norway, on MW

From Facebook Northern Star Media Services 2 hrs ·

At the transmitter site today for The Northern Star helping CE LA7CFA Øystein doing signal monitoring and processing, and 700 watt [Hz?? gh] tone test. The inverted V antenna for 1611 kHz has been raised, retuned to frequency, and secured with ropes. Current output @250 watts. Current Tentative broadcasting schedule from Sept 1st, 0525-0007 CET. 5895 and web, apps, wifi on as usual. Reports: 1000@northernstar.no and report@bergenkringkaster.no

(via Terry Colgan, Listening to shortwave radio since 1958, Tuning SDRs worldwide from Austin, Texas, Aug 23, WOR iog via WORLD OF RADIO 1997, DXLD)

Managed to hear R. Northern Star this morning (0200 UT 24/8) after a few attempts earlier in the week. Usually a Dutch pirate on 1611 kHz during the evening. Northern Star seemed weaker than previous times I've heard them but could be conditions. Too weak to ID from announcements, so had to check with web feed. Ken Dodd with "Tears for Souvenirs" at 0203. It seemed to have a few more peaks after 0230 when it rose out of the noise more often. Their audio sounded better and seemed to be A.M. with both side bands; their previous transmitter was carrier and USB. 73s (Nick. Buxton. Rank. Sony ICF2001D, 3 small loops angled to reduce noise, bdx-c-news iog via DXLD)

Radio Northern Star (Norway) testing new MW transmitter, re their Facebook:

The new transmitter of Radio Northern Star has now entered its second test period on 1611 kHz and we think you will find it has a better sound and is louder than before. The tests might be interrupted from time to time but have mostly been on 24 hours a day. Reports to: 1000@northernstar.no and report@bergenkringkaster.no (20 August)

The new 2 kW Medium Wave AM transmitter of Radio Northern Star on 1611 kHz is on trade test transmissions initially with 200 watts since 1345 UT today. The service may be interrupted from time to time. Reports to 1000@northernstar.no (13 August)
<https://www.facebook.com/radionorthernstar/>
(Alan Pennington, ibid.)

1611 kHz: The new (0.2 kW) transmitter of Radio Northern Star has now entered its second testperiod. It is on the air 24h/day. You will find it has a better sound and is louder than before. By remote receivers I can confirm a better signal at Arvika, Sweden but no improvement at Skene, Sweden. Reports to 1000@northernstar.no (Svenn Martinsen via WRTH fb group 20.8.2019 and Bengt Ericson 20.8.2019 via ARC mv-eko 26 Aug via DXLD)

** OKLAHOMA. Another look at that new electronic billboard at the NE corner of Garriott and Garland in Enid owned by Williams Broadcasting, the afternoon of Aug 23: amid many local advertisers it flashes that Rush will be on FM in Enid ``in a matter of days``, same as Sean, but the latter will also be in \$tereo --- hot crap!!

These teasers have not bothered to mention the frequency or station, but we knew it would be activating the CP for ``fully loony`` K265FL translator of 960 KGWA on 100.9. In fact, it was within a matter of *hours*, since next check circa 0000 UT Aug 24 found new local bigsig with Fox ``news``. Recheck at 1358 UT, 100.9 still on with the absurdly-accented Sebastian Gorka concluding an hour of his `America First` show on the Salem Radio Network (featuring witch-hunts). So I'm listening carefully for the new ID: NO, 1400 UT ToH ID on 100.9 ONLY for KGWA AM, into Fox ``news``. Off to a great start!

BTW, the power consumption of full-size electronic billboards must be huge with all those LEDs bright enough in full sunlight.

Far-right extremist hate-talk stations often default to less- or even non-political talk shows to fill time on weekends; such as here on Saturday circa 1735 UT it's about travel. And guess what, *no* stereo pilot. Do they turn it on only for Sean, or is that fake news? Most stations would not want to bother with turning stereo on and off.

Back before K265FL activated, Aug 23 at 1839 UT on the caradio I kept on 100.9 for one last chance to hear anything else there; various marginal signals fading back and forth, but at 1849 UT, ad for Keystone Chevy in Sand Springs, ergo KTSO, Sapulpa, both Tulsa suburbs, 19/19 kW at 114 m HAAT, per WTFDA DB, ``80'S HITS --- TOTALLY AWESOME 80'S``. There are other lower Okies on 100.9 in Edmond, Chickashay, Shawnee and Miamuh. There are three in Kansas, a 96.9 watt

LP in Wichita, 35.5 kW in Clay Center, and 100 kW in Lakin.
(which IIRC was far enough away from Wichita to have another NTSC
channel 3 {224 miles to Colwich, KSNW-3 site}).

It's a shame that a CP for a new LP in Enid on 100.9 never eventuated;
it would have had some public-service remit with one of its backers
Enid and Garfield County Emergency Management Director, Mike
Honigsberg. So KGWA glommed onto the frequency which will surely
attain inferior coverage to its 1 kW on 960. But we all know AM radio
is *sox* passé.

Is the translator on one of their AM towers at the NW corner of Enid?
NO, FCC info shows it at the NE corner of Grand and Randolph in
downtown Enid, certainly better for city-wide coverage. K265FL antenna
is atop the former First National Bank building of seven stories, now
``One Grand Center`` of Wymer-Brownlee, photoed the next day:

<http://www.w4uvh.net/K265FL.jpg>

as a 2-element thing. This is a block NNW of the white-elephant vacant
and locked-up ten-story Broadway Tower which now accomplishes nothing
except serving as a somewhat higher antenna base for some other
lower-powered FMs, not including ex-104.7 KUAL/KEIF-LP The Rocket,
which got caught with too much antenna height as a result (and too
commercial). From another angle, the much higher antenna tower on BWT
behind it, eclipses the closer and lower K265FL one.

In its heyday, the BW Tower contained the office of my uncle, a lawyer
and later respected judge. A few years ago, somecompany tried to
refurbish offices into hotel suites, apparently busted. Meanwhile, a
brand new downtown hotel is going up less than two blox away.

100.9, Aug 27 at 0558 UT I notice that the new K265FL Enid translator
of KGWA 960 is displaying on RDS as KGWA-FM! Is there no rule against
imaginary callsigns on RDS? {It has just been interrupted for a NWS
storm warning concerning Blaine and Canadian counties --- which this
transmitter surely does not reach --- some rethinking needed there.}
And still no stereo pilot, altho I have not checked during the
detestable Sean Hannity, whenever he's on (Glenn Hauser, Enid, DX
LISTENING DIGEST)

** OKLAHOMA [and non]. Fulfilling dire warnings all day, a major storm
hit the OKC area (but not Enid!), the evening of Aug 26, early UT
August 27, resulting in the major TV stations blowing away their
entire primetime schedules for wall-to-wall coverage. Mike Morgan on
KFOR even called it an ``inland hurricane`` since winds were up to 80
mph. Caused a lot of damage, with hail, flooding, many power lines
down; up to 85 kilocustomers blacked out at peak per OG&E
Systemwatch.

Not until 0542 UT do I start checking whether any radio stations are affected, and some are, even in the Enid area:

1520, Aug 27 at 0542 UT, KOKC is dead air, still so at 0554; I can't hear its FM translator on 95.3 either, whether off or dead air as it's marginal anyway.

1640, Aug 27 at 0545 UT, KZLS ``Enid`` (Hennessey) is dead air, maybe because it's programmed out of OKC. Still at 0554;

however at 0552 I nulled its carrier as much as possible to hear another station with music. Normally it's WTNI Biloxi MS, reported in MW Circle as ex-sports:

``U S A. 1640 WTNI [Biloxi MS] --- Yesterday I moved my antenna from its summer position (about 270 degrees) to the winter one (about 300). LA has been a dead loss from here this year although to be fair I have been away a great deal. I was rewarded with good reception today after months of very little (conditions I think rather than the antenna move working a miracle). It's probably been reported elsewhere but I noted that 1640 WTNI seems to have abandoned sport. ID noted as "This is Classic Country 103.5 The Possum". Also 1680 KRJO noted with "99.7 My FM" [Monroe LA] (Paul Crankshaw, Aug 21, MWCircle yg via DXLD)

Thanks, Paul. WTNI used to simulcast 1490 WANG sport "The Champ". The change of 1490 WANG to "103.5 The Possum" and country format was reported in March in MWN. However at that time 1640 WTNI retained the sport format. Neither NRC nor IRCA have subsequently reported that 1640 WTNI has now rejoined 1490, ditching the sport format for country. Wikipedia says that this change occurred in June 2019, but I can't find independent confirmation.

KRJO's slogan "99.7 My FM" appears also not to have been reported by NRC or IRCA. The format change to Adult Contemporary was noted in March 2019, although the format, slogan and repeater 99.7FM addition all date from 2016 according to RadioInsight
<https://radioinsight.com/headlines/107211/99-7-myfm-debuts-in-monroe/>
73 (/Andrew Brade, ibid.)

Hello Andrew and Paul, 1680 KRJO noted by my addition to last year's NRC log and in 2019/20 log. 1640 WTNI still shown as ESPN in 2019/20 NRC Log and now amended. Best wishes & 73s (Barry :-) Carlisle UK.
Lat. 55.0119N, Lon. 2.9668W, Davies, ibid.)``

1000, Aug 27 at 0550, KTOK OKC is still on but audio breaks up; by 0616 dead air.

Other OKC AM signals seem nominal at 0550+, 930, 800 and 640.

Then I check FM from 0554 Aug 27:

88.3, K202BY Enid is dead air instead of Family Radio. It doesn't take a storm for this one to fail, again & again. Still dead all day
105.5, K288FX North Enid is dead air at 0602 instead of relay KYLV
88.9; resumed by 0500 UT Aug 28, gospel rock and K-Love 88.9 OKC ID

In OKC area, major FMs are still on, EXCEPT:

93.3, KJKE Newcastle, not heard at first, but then at 0554 weakly;
QRP? from 100 kW? Or possibly storm interfered with propagation

98.1, WWLS-FM The Village is definitely off at 0555, still off at 1313, and 1600 UT; still off or QRP? at 0500 Aug 28

98.9, KYIS OKC, definitely off at 0555, still off at 1313 but on by 1600

100.5, KATT-FM, definitely off at 0555, still off at 1600; but 1619 on caradio, OKC area ads, so suspect it's also QRP

100.5, KTFR, Chelsea OK, 25/25 kW, 92m, is presumably the Spanish I hear briefly overcoming weakened KATT, Aug 27 at 1615 UT on caradio; Chelsea is in NE corner of OK on Hwy 66 between Claremore and Vinita

103.5, KVSP Anadarko, 100/100 kW, 600m rimshotter into OKC market, is dead air at 1613 UT, but rock at 1622.

I had not checked OKC DTV stations during the storm, but bandscan Aug 27 at 1817 and 1930 UT finds RF 15 and 16 missing! I.e. TBN 14 and Daystar 46, nothing but gospel huxters. Both KTBO and KOCM-DT are back at next check 0450 UT Aug 28, but KOCM signal is Bad, mostly not decoding (Glenn Hauser, OK, WORLD OF RADIO 1997, DX LISTENING DIGEST)

** OKLAHOMA. Tonight [UT Thursday Aug 29] I am getting extremely strange stuff in Enid on RF ch 17, which I assume is just the local 3ABN transmitter K17JN-D (altho there are signs of tropo on some other, open channels).

First tuned around 0400 UT Aug 29, re-surveyed after 0500. Around 0430 I snapped a number of photos. EVERYTHING is totally broken up. There is too much of it to capture for my DTV Pixillated Video Art Gallery!

But here are what I snapped, mostly on different subchannels one after another, but not keeping track of exactly which be which. Some are partially recognizable, others pure ART, as also linked from <http://www.worldofradio.com/tvdxfoto.html> ---

1: some Russian visible
<http://www.w4uvh.net/K17JND1.jpg>
2: Smart Life Style
<http://www.w4uvh.net/K17JND2.jpg>
3: HIS WORD
<http://www.w4uvh.net/K17JND3.jpg>
4: HIS LIGHT
<http://www.w4uvh.net/K17JND4.jpg>
5: art
<http://www.w4uvh.net/K17JND5.jpg>
6: Unsupported Audio Codec error message
<http://www.w4uvh.net/K17JND6.jpg>
7: sharp art
<http://www.w4uvh.net/K17JND7.jpg>
8: blurry art
<http://www.w4uvh.net/K17JND8.jpg>
9: 3-4 Persian, 3ABN visible
<http://www.w4uvh.net/K17JND9.jpg>
10: sharp art, phone number 618 627 4651
<http://www.w4uvh.net/K17JND10.jpg>
11: cooking show
<http://www.w4uvh.net/K17JND11.jpg>
12: blurry art
<http://www.w4uvh.net/K17JND12.jpg>
13: blurry with English text
<http://www.w4uvh.net/K17JND13.jpg>
14: Russian, with vladimir in Roman
<http://www.w4uvh.net/K17JND14.jpg>
15: Russian, with numbers
<http://www.w4uvh.net/K17JND15.jpg>

On the STB PSIP display, DTV 59-1 thru 59-7, similar lineup to what
w9wi.com has for the Amarillo ch 17,

{e.g, K17HI Amarillo
17.1:E:_3Abn
17.2:E:_3Abn Proclaim
17.3:E:Dare to Dream
17.4:S:_3Abn Latino
17.5:E:_3Abn Radio
17.6:S:_3Abn Latino Rad
17.7:E:R. 74}

including some audio only channels such as 59.7 Radio 74 which we also
get on 89.3 KIEL Loyal.

59!!! we have never had an original 59 around here and W9WI.com has
only two stations on it elsewhere.

On my SANYO DTV these display as 17- whatever and keep going to 8, 10, 11, 13, 61, 71, 75, 111, 122, 133, 201 and finally 202, as I keep changing channel upward, none of these having been programmed in. Some are labeled AUDIO ONLY, which I think I have never seen before on OTA DTV. Some are UNSUPPORTED AUDIO CODEC. 17-8 has glimpses of Russian text, NADEZHDA bug. All are breaking up video and/or audio, even tho the STB signal meter is strong, not steady but fluxuating, still well into the Good range.

Here is the lineup as best I can determine:

59-1 thru 59-7 display as such only on the STB, none higher like on the Sanyo as 17-1 thru 202

UAC = unsupported audio codec error message mid-screen

Zenith set-top-box DTV converter:

59-1 3ABN-EN
59-2 3ABN-PR
59-3 black and silent
59-4 black and silent ---
59-5 3ABN-RD
59-6 3ABN-RL audio only
59-7 Radio 74 audio only

SANYO DTV

17-1 3ABN bug LR [main channel]
17-2 will not tune, skips to 4
17-3 will not tune, skips to 4
17-4 audio only
17-5 THE WORD UAC
17-6 will not tune, skips to 8
17-7 will not tune, skips to 8
17-8 Russian UAC Nadezhda bug
17-10 SMART LIFE STYLE TELEVISION
17-11 HIS WORD - LLBN TV
17-13 HIS LIGHT - LLBN; was organ music earlier
17-61 UAC AID (?) bug
17-71 UAC ?? no bug visible
17-75 illegible bug, English?
17-111 audio only, language? The break-ins are so brief it's hard to recognize the language
17-122 audio only language?
17-133 audio only Spanish? No, I don't think so
17-201 Hope Channel bug UR, program earlier Real Family Talk
17-202 UAC Spanish, Lugar de Paz visible; bug UR Esperanza TV [Hope]

Recheck around 1500 UT, same things. WHAT IS GOING ON HERE? Thanks,

(Glenn Hauser, Enid OK, WTFDA gg via WORLD OF RADIO 1997, DXLD)

Same thing happening following days, still morning of Aug 30 (gh)

Glenn, The info you refer to (channel lineup) is from the Galaxy 19 Ku satellite (transponder 11842 H). See attached jpeg. The 3ABN feeds are on the same satellite.

<https://www.lyngsat.com/Galaxy-19.html>

(Scroll down to 11842 H and you will see the list)

So this has to be coming from one of your local LD's or DTV repeater stations that are sending out that satellite MUX. IF they are not supposed to be doing that, then someone obviously changed something in their satellite receiver from what you have been familiar seeing.

You can always send an email to the owner...?

Clarion Broadcasting Group, Inc.
Ardmore, Oklahoma
Rodney Phillips
cabideas@hotmail.com

Or the engineer...
Kevin Fisher
Smith and Fisher LLC
kevin@smithandfisher.com
(Jim Thomas, Springfield, Missouri, ibid.)

I believe Jim's analysis is spot on. Someone made a mistake and is trying to stuff the 35 or 40 Mbps DVB-S satellite transponder through the 19 Mbps OTA transmitter, which is causing your awful breakup and the long and somewhat incoherent-seeming list of channels. I don't know quite why it's mapping to 59-x, that's weird, but the rest of it makes perfect sense.(- Trip Ericson, <http://www.rabbitears.info> Aug 29, ibid.)

I am not going to try to contact them, rather monitor how long this monstrosity continue, as there is no programming I wish to receive in the clear, nor likely any Enidian, as there has been zero local publicity that this thing even exist (gh, DXLD)

** PAPUA NEW GUINEA. NBC Radio Madang 3260 kHz (Papua New Guinea Tropical band 90 Meters) Woman and men Voice locution talks local, 1006 UT 25 Ago 2019. Best here in 3259.9 kHz
<https://youtu.be/xEHUrtOGKOM>
Receiver: Grundig Satellit 800 Millennium; Antenna: DS Antenas SWL Dipolo Symmetrical + Balun; DXer: (Daniel Wylllys, Nova Xavantina MT Brazil, Hard-Core-DX mailing list via DXLD)

** ROMANIA. 6040, R Romania Int via Tsiganeshti, English, society feature, into music Song about Nothing (NOT the Seinfeld show theme!) then "Visit Romania" travel show at 0027 with talx re the Black Sea. Into some nice classical music from Romania with talx about the composer etc. into Living Romania with the arts & culture news from Romania at 0040. Then "Romanian Without Tears" leading up to end of transmission. Then ID/sked & IS. 4+4+54+4+ with my local noise sneaking through. //7375 (also Tsiganeshti) weaker & more QRM: 44543+ 0025-0059 22/Aug (Ken Zichi, Williamston MI, SDRplay + SDRUno + randomwire, MARE Tipsheet 23 Aug via DXLD)

Frequency change of Radio Romania International RRI, August 23
1230-1256 11700 TIG 300 kW / 067 deg to EaAs Chinese, fair, ex 15160.
(Ivo Ivanov, SWLDBulgaria News August 23, DX LISTENING DIGEST)

Radio Romania International wrong frequency 11990, Aug 27
1100-1156 11990*TIG 300 kW / 307 deg WeEu English, instead of 15130
1100-1156 13750 TIG 300 kW / 307 deg WeEu English, as sched in HFCC
1100-1156 15320 GAL 300 kW / 165 deg EaAf English, as sched in HFCC
1100-1156 17670 GAL 300 kW / 165 deg EaAf English, as sched in HFCC
*0800-0856 11990 TIG 300 kW / 142 deg N/ME Romanian Curierul romanesc
Sun. Videos added later today. 73! (Ivo Ivanov, WOR iog via WORLD OF
RADIO 1997, DXLD)

Radio Romania International wrong frequency 11990 Aug 27
1100-1156 11990*TIG 300 kW / 307 deg WeEu English, instead of 15130
1100-1156 13750 TIG 300 kW / 307 deg WeEu English, as scheduled A-19
1100-1156 15320 GAL 300 kW / 165 deg EaAf English, as scheduled A-19
1100-1156 17670 GAL 300 kW / 165 deg EaAf English, as scheduled A-19
*0800-0856 11990 TIG 300 kW / 142 deg N/ME Romanian CurierulRomanesc
Sun
From 1200 Arabic is as scheduled on 9610 GAL, 11700 GAL, 13750 TIG,
15130 TIG
<https://swldxbulgaria.blogspot.com/2019/08/radio-romania-int-inenglish-on-wrong.html>
(Ivo Ivanov, SWLDBulgaria News August 27, DX LISTENING DIGEST)

Almost a year of waiting and long-awaited confirmation from the Russian service "Interradio Romania" received. The other day a concert [sic] came from Bucharest, in which I discovered 12 QSL cards (5 from last year's collection and 7 from this year's series). The envelope also had a CD with Romanian music.

Total confirmed reports for August, September, October, November and December 2018, as well as for the first seven months of the current year. In 2019, the Interradio Romania series of QSL cards is dedicated to historical folk costumes and peasant jewelry from the late XIX -

early XX centuries of the historical Romanian region of Banat. (IK)IK
= Igor Kolke, Moscow, Russia / <https://kolkeradio.blogspot.com/> RUS-DX
Aug 25 via DXLD)

** RUSSIA [and non]. Channel Marker Letter Beacons

Check listed frequencies +/- 1 kHz

A Astrakhan, Russia
B Archangelsk, Russia
C Moscow, Russia
D Sevastopol/Odessa, Crimea
F Vladivostok, Russia
H Unknown
K Petropavlovsk, Russia
L St. Petersburg, Russia
M Magadan, Russia
O Moscow, Russia
P Kaliningrad, Russia
R Izhevsk/Ustinov, Russia
S Severomorsk/Archangel'sk, Russia
T Unknown
U Kholmok, Russia
V Khiva/Tashkent, Uzbekistan
W Russia
X Prague, Czechia
Y Kizyl Orda, Russia
Z Mulachevo, Russia

Some may be obsolete.

3168.5	5055.5	8029	10871
3335	5154	8112	13527
3523	5466	8162	14401
3594	6809	8415	16331
3658	6917.5	8495-8505	20047
4084	6928	9117	
4326	7002		
4525	7027.5		
4558	7039		
7509			
7727			

Sources:

M.A.R.E. Tip Sheet, 8-August-2019 EiBi
<http://www.cvni.net/radio/nsnl/nsnl032/nsnl32mx.html>
<http://www.numbersoddities.nl/MX-profile.pdf>
<http://rfanat.ru/s13/markers.html>

(MARE Tipsheet 23 Aug via DXLD)

** RUSSIA. All-Union Radio 1 and Pi FM --- I've been listening online to Russian FM dance station Pi FM (71.3 MHz in Moscow) and was surprised to hear at the top of the hour the interval signal/jingle which used to herald the main news bulletins on the old Soviet network All-Union Radio 1. It's not a jazzed-up modern rendition either, it sounds like an old off-air recording with slight interference and all! Seems a curious choice of "jingle", as I wouldn't have thought it would mean much to most of their young target audience. Here's a reminder:

http://www.intervalsignals.net/files/rus-pifm_moscow_240819.m3u

(David Kernick, Interval Signals Online, Aug 24, WOR iog via DXLD)

** SAUDI ARABIA. 15205.108, Aug 29 at 1742, Qur'an at S7-S8. Riyadh scheduled 16-18, 500 kW at 320 degrees supposedly not beyond W Europe CIRAF 27-28 but also USward.

11820.045, Aug 29 at 1801, Arabic talk but will soon be Qur'aning reliably here afternoons; same parameters as 15205+, 500 k@ at 320 degrees toward Europe and beyond. Could even be same transmitter if they do not overlap (Glenn Hauser, OK, DX LISTENING DIGEST)
see also YEMEN!

** SOLOMON ISLANDS. 9545a, SIBC (presumed), 0440-0459* 8 & 9 August. Thanks to Ron Howard's info, SIBC's carrier easily heard (with 'imaginary-level-audio' at times) a few evenings each week (Dan Sheedy, Encinitas/Moonlight Beach, CA, Executive Satellit/6m X wire), via Bob Wilkner, NASWA iog via DXLD)

9545, SIBC, Honiara, 0450-0459*, 28-08, extremely weak, carrier and some audio (songs) detected on USB. Closed at exactly 0459.30.

5020, SIBC, Honiara, 0625-0655, 28-08, extremely weak, strong carrier but no audio heard. Strong QRM from Rebelde on 5025 (Manuel Méndez, Lugo, Spain, Logs in Friol and Lugo, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

** SPAIN. 12030, 11940, 11670, 9690, Sunday August 25 at 2203, all four REE transmitters are still on playing their earworm IS. All VG to G, even 11670 normally the least of them here (Glenn Hauser, OK, DX LISTENING DIGEST)

** SRI LANKA. Surprisingly, 11905even kHz fq of SLBC Trincomalee 125 kW 345degr via Arctic path and Northern Europe, S=8 at 0206 UT, subcontinental female singer. (heard also some 3 x Kashgar western China Spanish outlets in 31 and 25 mb) Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote

receiver in NJ?], WOR iog via DXLD)

** SUDAN. 7205, Sudan Radio, Al Aitahab, 1707-1725, 27-08, Arabic, comments. 24322. (Méndez)

9505, Voice of Africa, Al Aitahab, 1740-1753, 27-08, English, comments, African songs. Strong QRM on 9500. 31421 (Manuel Méndez, Lugo, Spain, Logs in Friol and Lugo, Tecsun S-8800, cable antenna, 8 meters, WOR iog via WORLD OF RADIO 1997, DXLD)

** SUDAN SOUTH [non]. FRANCE, Fair signal of Eye Radio via TDF Issoudun on August 27
1559-1658 on 15410 ISS 250 kW / 139 deg to EaAf Juba Arabic* Mon-Fri
* including other langs English/Dinka/Nuer/Shilluk/Bari/Zande/Lutoho
https://swldxbulgaria.blogspot.com/2019/08/fair-signal-of-eye-radio-via-tdf_28.html
(Ivo Ivanov, SWLDXBulgaria News August 27-28, WOR iog via DXLD)

** SWEDEN. SAQ receives 438 listener reports
Southgate August 23, 2019

|Alexanderson Alternator station SAQ says it received 438 listener reports – 'an incredible amount' – for its June 30 Alexanderson Day transmissions from Sweden including 8 'super' DX reports, five from the USA and three from Canada.

The historic electro-mechanical transmitter, which dates back to the 1920s, is fired up periodically throughout the year on 17.2 kHz.

"We are very thankful for all your enthusiastic and positive feedback, with images, recordings, videos, and even Morse ink writer strips," SAQ said.

The station is a World Heritage Site in Grimeton, Sweden and SAQ's June 30 message commemorated the 100th anniversary of the first east-to-west transatlantic voice transmission from the Marconi station in Ireland to Cape Breton Island, Nova Scotia.

SAQ has posted an interactive map showing the locations of all received listener reports from recent transmissions and video of the Alexanderson Day transmission event has been posted to its YouTube channel.

<https://www.youtube.com/user/AlexanderSAQ/videos>

<http://www.southgatearc.org/news>

(via Mike Terry, WOR iog via DXLD)

** SWITZERLAND. FM switch off is officially confirmed for no later than end 2024 --- WorldDAB Weekly Industry News 29 August 2019

Radio programs in Switzerland will only be available via FM until the end of 2024 according to Bernard Maissen, OFCOM's deputy director, on the occasion of the Swiss Radio Day in Zurich. As at end June 2019, only 17% of radio listening is now on FM. Read more at:

<http://www.bakom.admin.ch>

(via Mike Terry, Aug 29, WOR iog via DXLD)

** TAIWAN. Some SOH Sound of Hope outlets noted at 1310 til 1320 UT on Aug 17, at remote SDR unit in Akitakata Japan

9180.038 kHz S=7-8 at 1310 UT,

9230.272 kHz S=7-8 at 1313 UT,

9254.942 kHz S=7-8 at 1317 UT,

9280.025 kHz S=7-8 at 1320 UT,

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang Bueschel, df5sx, wwdxc BC-DX TopNews Aug 17, BC-DX Aug 24, DXLD)

** TIBET [non]. TAJIKISTAN, Frequency changes of V of Tibet, Aug 26

1230-1236 NF 9875 DB 100 kW / 131 deg to CeAs Tibetan, ex 9896

1236-1243 NF 9866 DB 100 kW / 131 deg to CeAs Tibetan, ex 9886

1243-1306 NF 9899 DB 100 kW / 131 deg to CeAs Tibetan, ex 9876

<https://swldxbulgaria.blogspot.com/2019/08/frequency-changes-of-voice-of-tibet.html>

(Ivo Ivanov, SWLDBulgaria News August 26-27, DX LISTENING DIGEST)

TAJIKISTAN, Frequency changes of V of Tibet, Aug 27

1312-1335 NF 9834*DB 100 kW / 131 deg to CeAs Tibetan, ex 9876

1330-1334 NF 9876 DB 100 kW / 131 deg to CeAs Tibetan, ex 9886

1334-1400 NF 9896 DB 100 kW / 131 deg to CeAs Tibetan, ex 9899

*plus QRM on 9840 EMR 500 kW / 310 deg to WeEu Turkish VOTurkey

https://swldxbulgaria.blogspot.com/2019/08/frequency-changes-of-voice-of-tibet_27.html

(Ivo Ivanov, SWLDBulgaria News August 27, DX LISTENING DIGEST)

** TURKEY. 9830, V Turkey, English with music & announcements to ToH into German. Nice stuff but they need more 'explanation' to their music! 4+544+4, 2230-2300 16/Aug (Ken Zichi, Port Hope MI2, SDRplay + SDRUno + FLDigi for digibits + DReaM + randomwire, MARE Tipsheet 23 Aug via DXLD) And supposed to go off *before* 2300 German (gh)

9635.021, Aug 23 at 2017, ME music not Qur'an, what? Carrier wobbles slightly as I off-measure it; cuts off at 2028, what? Aoki shows VOT in French from 1930. Something's always wrong at Emirler. Unusual to hear much of anything from Eurasia at this time on this band, beyond maybe Greece and Spain (Glenn Hauser, OK, WORLD OF RADIO 1997, DX LISTENING DIGEST)

Voice of Turkey in Turkish on wrong frequency 11980 kHz, instead of

11750 kHz from 0600 UT -- 73! (Ivo Ivanov, Aug 24, DX LISTENING DIGEST)

Voice of Turkey, Turkish, wrong frequency from 0600 Aug 24
0400-0600 11980 500 kW / 310 deg WeEu Turkish, as scheduled in HFCC
0600-0855 11980*500 kW / 310 deg WeEu Turkish, instead of 11750 kHz
same time 11750 500 kW / 080 deg CeAs Turkish, A19 VOT, NOT ON AIR!
*0630-0656 11980 GAL 300 kW / 140 deg N/ME Arabic Romania Int. co-ch!
Something's always wrong at V of Turkey Emirler transmitting station!
https://swldxbulgaria.blogspot.com/2019/08/voice-of-turkey-in-turkish-on-wrong_24.html
(Ivo Ivanov, SWLDBulgaria News August 23-24, DX LISTENING DIGEST)

Voice of Turkey in Turkish on odd frequency 13635.7 Aug 26
0600-1255 13635.7 500 kW / 310 deg WeEu Turkish, instead of nominal
0600-1155 11675.0 500 kW / 150 deg WeAs Turkish - 11675.7 Aug.14-25
Something's always wrong at V of Turkey Emirler transmitting station!
https://swldxbulgaria.blogspot.com/2019/08/voice-of-turkey-in-turkish-on-odd_26.html
(Ivo Ivanov, SWLDBulgaria News August 26, DX LISTENING DIGEST)

Voice of Turkey in Turkish on odd frequency 11675.7 Aug 27
0600-0630 11675.7 500 kW / 150 deg WeAs Turkish, instead of nominal
0630-1155 11675.0 500 kW / 150 deg WeAs Turkish as scheduled in A19
0600-1255 13635.0 500 kW / 310 deg WeEu Turkish - 13635.7 August 26
Something's always wrong at V of Turkey Emirler transmitting station!
https://swldxbulgaria.blogspot.com/2019/08/voice-of-turkey-in-turkish-on-odd_27.html
(Ivo Ivanov, SWLDBulgaria News August 26-27, DX LISTENING DIGEST)

Voice of Turkey, Farsi on odd frequency 11795.7, August 27
0828-0955 11795.7 EMR 500 kW / 105 deg WeAs Farsi-11795.0 August 26
Something's always wrong at V of Turkey Emirler transmitting station!
https://swldxbulgaria.blogspot.com/2019/08/voice-of-turkey-in-farsi-on-odd_27.html
(Ivo Ivanov, SWLDBulgaria News August 27, DX LISTENING DIGEST)

Voice of Turkey in Turkish on odd frequency 11675.7 Aug 28
0600-0630 11675.7 EMR 500 kW / 150 deg WeAs Turkish, instead of nom.
0600-1255 13635.0 EMR 500 kW / 310 deg WeEu Turkish, as scheduled A19
Something's always wrong at V of Turkey Emirler transmitting station!
https://swldxbulgaria.blogspot.com/2019/08/voice-of-turkey-in-turkish-on-odd_28.html
(Ivo Ivanov, SWLDBulgaria News August 27-28, WOR iog via DXLD)

TRT Voice of Turkey in Azeri odd frequency 9505.7, Aug 28
1530-1625 9505.7 EMR 500 kW / 105 deg WeAs Azeri, instead of nominal.
Something's always wrong at V of Turkey Emirler transmitting station
https://swldxbulgaria.blogspot.com/2019/08/voice-of-turkey-in-azeri-on-odd_28.html

(Ivo Ivanov, SWLDXBulgaria News August 28, DX LISTENING DIGEST)

9515.643, Aug 29 at 0302 VOT English to NAm VG S9+10 but knocked way off-frequency; slight distortion, hum. As Ivo says, ``Something's always wrong at the TRT Voice of Turkey Emirler [note spelling] transmitting station`` (Glenn Hauser, OK, WORLD OF RADIO 1997, DX LISTENING DIGEST)

V of Turkey in Turkish, instead of Arabic on 11750 Aug 29:

0600-0855 11750 500 kW / 080 deg to CeAs Turkish, as scheduled in A19

0900-0903 11750 500 kW / 080 deg to CeAs Turkish, instead of Arabic &

0905-0955 11750 500 kW / 120 deg to N/ME Arabic, as scheduled in A19.

Something's always wrong at V of Turkey Emirler transmitting station

<https://swldxbulgaria.blogspot.com/2019/08/voice-of-turkey-in-turkish-instead.html>

(Ivo Ivanov, SWLDXBulgaria News August 28-29, DX LISTENING DIGEST)

** U A E [and non]. 1539 kHz using the Qatar KiwiSDR

<<http://midskiwi.ddns.net:8073/>>

Pravasi Bharathi Broadcasting Co. was confirmed active on 1539 ex 810 kHz. The AM signal was well ahead of the web stream at

<http://pravasibharathi.com/Radio_Live.php>

The web site still promotes 810 kHz as the station's frequency.

On 810 kHz the SBC Qur'an programme was heard, at the time in \\ to short wave 15205 kHz (Prof. Dr. Hansjoerg Biener-D, via wwdxc BC-DX TopNews Aug 17, BC-DX Aug 24, via DXLD)

** U A E. 9839.988 odd fq, one of four transmitters of Al Dhabbaya UAE oddity, lower side flank, VoA Deewa Pashto relay, 0154 UT S=7-8 in NJ-US. Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD)

** U K. UK Gold AM vs. Ofcom --- This extract from the Issue 385 of Ofcom's Broadcast and On Demand Bulletin 27 August 2019, will provide some insight how a regulatory body processes on complaints:

The Music Marathon is a music programme on Gold which is broadcast on AM radio in Manchester [1458 kHz], London [1548 kHz], Derby [945 kHz] and Nottingham [999 kHz] and nationally on DAB. [...] Ofcom received a complaint about offensive language ("yellow Chinkies") in the music track Melting Pot by Blue Mink. No introduction to the track was broadcast, or any other content discussing it. [...]

Under the Communications Act 2003, Section Two of the Code requires that generally accepted standards are applied to provide adequate protection for members of the public from the inclusion of offensive and harmful material in programmes. Ofcom takes account of the

audience's and the broadcaster's right to freedom of expression, as set out in Article 10 of the European Convention on Human Rights, when considering a broadcaster's compliance with Section Two of the Code. [...]

We first considered whether references in the track to "yellow Chinkies", "Red Indian boy", "curly Latin kinkies" and "coffee-coloured people" had the potential to cause offence. Ofcom's research on offensive language makes clear that the word "chinky" is considered by audiences to be among the most offensive language and highly unacceptable without strong contextualisation. [...] Ofcom's research does not provide direct evidence for the offensiveness of the terms "Red Indian boy", "curly Latin kinkies" and "coffee-coloured people". However, Ofcom considered that "Red Indian" is generally understood to be a pejorative term in modern speech and is frequently replaced with 'Native American'. [...] In our view, the potential offence caused by these lyrics may have been heightened by the cumulative effect of the repeated use of this language during the verse and chorus [...].

Ofcom then considered whether this potential offence was justified by the context. Our guidance on offensive language on radio states that: "In reaching any decision about compliance with the Code, Ofcom will take into account the likely audience expectations of a particular radio station at the time of broadcast". It also states that words considered offensive on the grounds of race and ethnicity should "normally be broadcast only in limited circumstances and in context, for example in news, drama, or documentary programmes to explore or expose prejudice".

We took into account the Licensee's argument that the nature of the radio station (wellknown for playing music from the 1960s and 70s) meant that the track would have been unlikely to cause offence to its audience. We considered the demographic of the station as per its Licence, which makes clear that it primarily targets 35-54 year-olds. We acknowledged that some listeners to a radio station known for playing 1960s and 70s music may have been less likely to be offended by the use of such language, given established expectations for lyrics associated with this era. We considered that the nature of the station did therefore provide some context to justify the broadcast of the track. However, Ofcom's offensive language research, which was conducted with people of all age groups, shows that the use of derogatory language to describe ethnic groups carries a widespread potential for offence. Therefore, in Ofcom's view, the likely audience expectations did not sufficiently mitigate the potential for offence in this case.[...]

Ofcom also considered Global's argument that any offence was mitigated

in this case by the positive intention of the song, which was a message of racial harmony. [...] We did not agree that this provided sufficient context to mitigate the potential for offence. The title Melting Pot, which may have provided an indication of the track's overall message, was not broadcast, nor was the song introduced with any contextual information that would have highlighted its overall message to listeners. [...]

For all of the reasons above, Ofcom's Decision is that this potentially offensive material was not justified by the context.

However, we took into account the steps taken by the Licensee following notification of the complaint from Ofcom. We acknowledged that it said it had removed the track permanently from Gold's playlist.

Our Decision therefore, is that this case is resolved.

Issue 385 of Ofcom's Broadcast and On Demand Bulletin 27 August 2019, pages 15-18 (via Dr Hansjoerg Biener, 27 August 2019, DXLD)

** U S A. 10000/AM, WWV, CO, 0210 Aug 22, 455, English, Enthusiastic announcer with information on the Tennessee National Guard & Emergency Management on 60 Meters Channel 1 (AR 5330.5 kHz). Gave a website to take a survey. I copied www.dodmarc.org but got a not found error (Jack Amelar, Lowell MI, Kenwood TS-480 + long wire antenna, MARE Tipsheet 23 Aug via DXLD) It's dodmars (gh)

** U S A. 13306-USB, Aug 24 at 1431, ground-to-air contact by New York Radio good vs JBA signal from aircraft. YL op assigns 11396 as secondary, then she can barely hear Iberia 0012 flight.

13348-USB, Aug 24 at 1433, another flight contact by OM op with selcals, also New York? This frequency not listed by EiBi for anywhere, so I search the UDXF iog: incredibly, no logs since November 2014, by the once-prolific Al Stern at Satellite Beach FL, as New York LDOC, whatever that mean; reactivated?

Meanwhile, Andy Robins, Kalamazoo, replies to my previous 13306 log:

``Glenn: Selcal codes are assigned to particular aircraft. The same code can be assigned to different aircraft, although I believe the ICAO suggests that planes sharing a code not operate in the same area. For example, an airliner flying routinely in the North Atlantic MWARA and another with the same selcal in the Indian Ocean aren't likely to be getting calls intended for the other aircraft. When I was heavily into HF aeronautical listening in the late 1990's, there were fat books of selcal codes that DXers used to figure out the "tail number" (registration) of the aircraft they heard. 73``

Thanks, Andy; I am always glad to get elucidations from others about my logs! Unfortunately, some editors delete them, feeling they are not authorized to quote someone I quote (Glenn Hauser, WORLD OF RADIO 1997, DX LISTENING DIGEST)

** U S A [and non]. WORLD OF RADIO 1996 monitoring: confirmed first SWBC, Friday August 23 at 2200 on WRMI 9955, S9-S6 and no upcut.

Also confirmed UT Sat Aug 24 at 0130 on WRMI 7780, S9 vs HLNL.

Wolfgang Bueschel, Germany reports: ``GERMANY, 6189.996-usb mode, Sats 0629-0659 UT, WOR by Glenn Hauser-UK-USA, fluttery, average S=8 or -81 dBm signal strong, at 0656 in southern Germany and remote SDR in Switzerland. Some summer thunderstorm scratching amongst the recording happened in Slovenia, all-Balkan, former Yugoslavia, Albania and on central Italy Appenine mountains``

Ivo Ivanov, Bulgaria, agrees: ``Today same good signal here ---
World of Radio #1996 via Hamburger Lokalradio, August 24
<https://swldxbulgaria.blogspot.com/2019/08/world-of-radio1996-via-hamburger.html>
<https://www.youtube.com/watch?v=lhZmNjxGD0k&feature=youtu.be>
0630-0700 6190 GOH 001 kW / 230 deg to CeEu English Sat, fair/good``

GERMANY, World of Radio#1996 via Hamburger Lokalradio, August 24
0630-0700 on 6190 GOH 001 kW / 230 deg CeEu English Sat, fair/good
<https://swldxbulgaria.blogspot.com/2019/08/world-of-radio1996-via-hamburger.html>
(Ivo Ivanov, SWLDXBulgaria News August 23-24, DX LISTENING DIGEST)

GERMANY, World of Radio#1996 via Hamburger Lokalradio, August 24:
1430-1500 9485 GOH 001 kW / 230 deg to CeEu English Sat, poor + QRM
same time 9490 GAL 300 kW / 285 deg to WeEu Romanian R.Romania Int.
https://swldxbulgaria.blogspot.com/2019/08/world-of-radio1996-via-hamburger_24.html
(Ivo Ivanov, SWLDXBulgaria News August 24-25, DX LISTENING DIGEST)

Alan Gale, England, reports: ``Hi Glenn, Was it just me or was the Romanian signal even wider than usual today? I couldn't hear WoR on 9485 from here or even on the usually reliable Finnish SDRs. Media Network Plus had been audible at around 1400 UT before fading out at around 1410, and I could zero beat a carrier on 9485, so you may have been there but just masked by the heavy splatter. It's a pity the programme isn't on 30 minutes later as 9490 always goes quiet at 1500. Alan`` [WORLD OF RADIO 1997]

Tnx; I completely missed checking that today. HLR seems oblivious to interference problems. Next:

1930vUT Saturday WA0RCR 1860-AM ND
 2100 UT Saturday WRMI 9955 to SSE
 0130 UT Sunday WRMI 5850 to NW
 0300vUT Sunday WA0RCR 1860-AM [nominal 0315] ND
 1030 UT Sunday HLR 7265-CUSB Germany to SSW
 2130 UT Sunday WRMI 7780 to NE
 0130 UT Monday WRMI 9395 to NNW, 7780 to NE
 0230 UT Monday WRMI 7780 to NE
 0300vUT Monday WBCQ 5130v Area 51 6160v? to WSW
 0330 UT Monday WRMI 9955 to SSE
 1816 UT Monday IRRS 7290 Romania ND
 0100 UT Tuesday WRMI 7780 to NE
 2100 UT Wednesday WRMI 9955 to SSE
 2100 UT Wednesday WBCQ 7490v to WSW
 0100 UT Thursday WRMI 7780 to NE

WORLD OF RADIO 1996 monitoring: confirmed Saturday August 24 at
 2100:00 on WRMI 9955, S9/S9+10 but upcut JIP as I say ``---1996``;
 after IS & ID loop from at least 2058, as the automation continues to
 be misaligned, starting playout a few seconds before switching
 sources; independent asynchronous clocx?

Also confirmed UT Sunday August 25 at 0130 on WRMI 5850, VG aimed
 thisaway, but still fadier than co-aimed 7570 with BS, which is closer
 to one-hop.

Also confirmed UT Sun Aug 25 at 0336 on WA0RCR, 1860-AM, Missouri,
 S9+30 including storm noise level making copy difficult, but during
 item on YHWH about 17 minutes into, so started circa 0319. Next:

2130 UT Sunday WRMI 7780 to NE
 0130 UT Monday WRMI 9395 to NNW, 7780 to NE
 0230 UT Monday WRMI 7780 to NE
 0300vUT Monday WBCQ 5130v Area 51 6160v? to WSW
 0330 UT Monday WRMI 9955 to SSE
 1816 UT Monday IRRS 7290 Romania ND
 0100 UT Tuesday WRMI 7780 to NE
 2100 UT Wednesday WRMI 9955 to SSE
 2100 UT Wednesday WBCQ 7490v to WSW
 0100 UT Thursday WRMI 7780 to NE
 (Glenn Hauser, OK, DX LISTENING DIGEST)

WoR confirmed at these times:

190824 7780 0135 2408 USA WRMI, E, Gl. Hauser's World of Radio 35444
 190826 7780 0230 2608 USA WRMI, E, Gl. Hauser's World of Radio 35444
 (Hansjoerg Biener, Germany, Aug 27, DX LISTENING DIGEST)

WORLD OF RADIO 1996 monitoring: not confirmed Sunday August 25 at 2153

the 2130 on WRMI 7780: JBA carrier in S8-S9 high local line noise level; and this week do not expect a confirmation from Richard Langley since he's away from NB.

Confirmed UT Monday August 26 at 0130 on WRMI 7780, S9+10 in HLNL after usual Rudy Espinal canned ID at 0129:30; also on // 9395, S9/S9+10, but *much* louder and less noisy.

Also confirmed UT Mon Aug 26 at 0230 on WRMI 7780, same as 0130.

Also confirmed UT Mon Aug 26 from 0302.5 on Area 51 webcast after live JL runs over again; JBA vs HLNL amounting to S9+10 on WBCQ 5130.34v at 0327 check.

Also confirmed UT Mon Aug 26 at 0330 on WRMI 9955, S9/+20 VG, immediately after familiar song with Czech lyrix. Next:

1816 UT Monday IRRS 7290 Romania ND
0100 UT Tuesday WRMI 7780 to NE
2100 UT Wednesday WRMI 9955 to SSE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE

WORLD OF RADIO 1996 monitoring: turned on UTWente SDR and tuned in 7290, Monday August 26 at 1814 to hear me already halfway thru WOR at the YHWH item! But 1815 cut to Aida theme, 1816.5 re-start WOR 1996. Usual very strong and loud signal, modulation just below the distortion threshold, from IRRS via ROMANIA, but with some deep selective fading distortion. This can be considerably reduced by LSB or USB tuning, or even better, synch. WORLD OF RADIO 1997,

Also confirmed UT Tue Aug 27 at 0127 the 0100 on WRMI 7780, poor in HLNL. Next:

2100 UT Wednesday WRMI 9955 to SSE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE

WORLD OF RADIO 1996 monitoring: confirmed Wed Aug 28 at 2100:01 on WRMI 9955, JIP as ``---with World of Radio 1996``, after IS & ID loop from at least 2058. Simultaneous WBCQ 7490+ is a JBA carrier in HLNL, but at 2124 check of webcast, NOT WOR, but a religious program 'Lifeline'. However, at 2131 WOR starts instead of Goddess Irina. Meanwhile I have inquired of the boardops if this be a permanent change? No, Robert says it's a timing issue, back to normal next week. [WORLD OF RADIO 1997]

Also confirmed UT Thu Aug 29 at 0100 on WRMI 7780 --- as usual VP

here, but this time I check UTwente SDR and find a VG signal! As it is supposed to be, aimed at Europe rather than off the side thisaway, for all our listeners in the middle of their night, as well as five more airings in the 0100-0300 span.

WORLD OF RADIO 1997 Contents: Antarctica, Australia and non, Bougainville, Brasil, Canada, China, Cuba, France/Germany, Indonesia, International Waters, Ireland, Japan/Korea North non, México, Mongolia, Netherlands non, Nigeria, North America, Norway, Oklahoma, Papua New Guinea, Romania, Sudan, Turkey, USA, Vietnam non; and the propagation outlook. Ready by 0305 UT Aug 30 for first airings:

2200 UT Friday WRMI 9955 to SSE
0130 UT Saturday WRMI 7780 to NE
0630 UT Saturday HLR 6190-CUSB Germany to SSW
1930vUT Saturday WA0RCR 1860-AM ND
2100 UT Saturday WRMI 9955 to SSE
0130 UT Sunday WRMI 5850 to NW
0300vUT Sunday WA0RCR 1860-AM [nominal 0315] ND
1030 UT Sunday HLR 7265-CUSB Germany to SSW
2130 UT Sunday WRMI 7780 to NE
0130 UT Monday WRMI 9395 to NNW, 7780 to NE
0230 UT Monday WRMI 7780 to NE
0300vUT Monday WBCQ 5130v Area 51 6160v? to WSW
0330 UT Monday WRMI 9955 to SSE
1816 UT Monday IRRS 7290 Romania ND
0100 UT Tuesday WRMI 7780 to NE
2100 UT Wednesday WRMI 9955 to SSE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE

Full WOR schedule including AM, FM, webcasts, satellite, podcasts:
<http://www.worldofradio.com/radioskd.html>
(Glenn Hauser, OK, DX LISTENING DIGEST)

WRMI WRMI WRMI WRMI WRMI WRMI RMI WRMI WRMI WRMI WRMI WRMI WRMI:

** U S A. 5850, WRMI, SW Radiogram #113 with the usual mix of digital text & photos including stories about: Decline in freshwater megafauna population; Comet 67P/C-G had a tiny, temporary moon & Steam-propelled CubeSats control one another in space. Images included:

5850A.jpg

Churyumov-Gerasimenko with Illustration from NASA video
its temporary moon (circled re 'steampunk' cubesats
& probably not visible)

5850B.jpg

Cleome at dusk in One of 130 murals in Jersey City
West Philadelphia commissioned to discourage graffiti

At BoH into a repeat of last week's Hobart Radio Int'l complete with the same 'news' items. 4+54+4+4+ 0800-0900* 18/Aug (Ken Zichi, Port Hope MI2, SDRplay + SDRUno + FLDigi for digibits + DReaM + randomwire, MARE Tipsheet 23 Aug via DXLD)

9955even, WRMI BRI program, Blues music played, excellent musician performer, my music program tip of the month, S=9+10dB in NJ, 0157 UT Aug 23. Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD) Days of week matter! This was UT Fri (gh)

9955, UT Sunday Aug 25 at 0035-0045, WRMI with beautiful gospel harmonies in Spanish, but 0045 abruptly cut to gospel huxter 'La Verdad para el Mundo' with a bit of lo-fi harmony, introducing el evangelista Philip Gray [sp? sp?], who speaks very good but not quite native Spanish. What's the harmony show? Sked shows 0115-0145 UT Sundays is 'Buscando la Verdad', while 0145-0200 is merely 'La Verdad'. Perhaps they be related; show titles are often truncated to fit in the fields (Glenn Hauser, OK, DX LISTENING DIGEST)

WRMI and Hurricane Dorian --- WRMI Florida posted this update re approaching Hurricane Dorian:

Thanks to those who have sent messages of concern about Hurricane Dorian, which is currently headed almost right toward our Okeechobee transmitter site. We are of course watching the situation and making all of our preparations. Please note that when the high winds begin to affect our area, our transmission lines will probably flap around and hit together, causing arcing which could damage the transmitters. So at that point we will probably have to shut all transmitters down until the hurricane passes in order to minimize damage. This could begin on Sunday evening, as we see it right now. We may be able to maintain our test frequency of 5800 kHz on the air even when the other transmitters are down and even if there is a power outage. We will keep you updated (WRMI Facebook page, 29 Aug via Alan Pennington, Aug 30, bdx-c-news iog via WORLD OF RADIO 1997, DXLD)

5800, Aug 28 at 0610, trace of music, could be // 9395, not 5950; the strange WRMI ``test frequency`` they hope to keep on the air even if all the other transmitters have to close down during high winds from Dorian, even power outage.

This further raises the question, is 5800 really somewhere else than Okeechobee? Like maybe the abandoned 9955 site Hialeah? WRMI has been very mum about this; altho in Jeff's HFCC 100 kW at Okeechobee is also claimed for 5800 since ``RMI`` means Okeechobee, only; but would not be the only imaginary info in HFCC. Ivo still employs the obsolete

site abbr. YFR (Glenn Hauser, OK, DX LISTENING DIGEST)

WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ BCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ:

** U S A. 9330, WBCQ, relay of 94.7 Kicks [sic] FM, WBCQ FM country music & local ads, ID at ToH mentioning FM & a 'drop in' ID for SW. Into "Sir Scratchy" old jazz show [Behaviour Night] (kinda fun!) at BoH with such classics as Yes, we have no Bananas, Nothing Could be Finer & Lady Be Good (Medley).

2200 into news from Townhall Media, then local weather including temps in both °F & °C, then at 2206 back to Coatsworth & Wolfish [MARE inside joke] music. 55555 (It is amazing what a few thousand kiloWatts will do!) 2055-2210 on in the background as I did some chores to finish up the kitchen! 16/Aug (Ken Zichi, Port Hope MI2, SDRplay + SDRUno + FLDigi for digibits + DReaM + randomwire, MARE Tipsheet 23 Aug via DXLD)

WBCQ not 9330 kHz, but on 7490.162, 5130.365 kHz different programs? Good night, 73 de wb df5sx (Wolfgang Bueschel, between 0025 and 0212 UT, Aug 23 [mostly remote receiver in NJ?], WOR iog via DXLD)

Registered frequencies of WBCQ-6 in HFCC Database, Aug 23:
World's Last Chance Radio WLC Internet version continues to showing 24 hrs on 9330 with 18 different azimuths in 11 different languages
<https://swldxbulgaria.blogspot.com/2019/08/registered-frequencies-of-wbcq-6-in.html>

(Ivo Ivanov, SWLDBulgaria News August 23-24, DX LISTENING DIGEST)

New 24 hrs schedule of WBCQ-6 in HFCC, August 25
<https://swldxbulgaria.blogspot.com/2019/08/new-24-hours-schedule-of-wbcq-6-in-hfcc.html>

0900-1157 on 17735 BCQ 500 kW / 060 deg - is cancelled
0900-1157 on 15705 BCQ 500 kW / 060 deg to N/ME Arabic
1200-1957 on 17735 BCQ 500 kW / 060 deg to N/ME Arabic
2000-0857 on 12120 BCQ 500 kW / 060 deg to N/ME Arabic
Again only Arabic. But World's Last Chance Radio WLC - Internet version continues to showing 24 hours on 9330 with 18 different azimuths, in 11 different languages!
Публикувано от Observer в 1:07 PM (Ivo Ivanov, SWLDBulgaria News August 24-25, WORLD OF RADIO 1997, DX LISTENING DIGEST)

Superstation [sic] imminent --- WBCQ 9330 has not been on this afternoon like it was last Friday, and still not on at 2324 UT, but his Twit today says it will be shortly along with the other four:
(gh)

``Allan Weiner @AllanWBCQ 11h11 hours ago
Yep. Back on air with another Allan&Angela Worldwide tonight at 8pm eastern. Tune on 3265/5130/6160/7490/9330khz for more radio fun. All over your radio. Call in at 207-538-9180 and express yourself. Much to talk about these days. Much to change. Turn that radio on!!``
(Glenn Hauser, 2326 Fri Aug 23, WOR iog via DXLD)

However, it soon turned out this was not the SS on 9330, but old classic transmitter (gh)

9330, unlike last Friday, WBCQ Superstation is not running in the afternoon altho AW had twitted that he would be on 9330 plus the other four this evening. On my noisy-by-the-computer/TVs ATS-909, no sign of a signal even after 0000 UT Aug 24, unlike the SS which had no problem overcoming. On webcast, AW launches right into political vehemence, so I'm not listening except for occasional spotchex during the hour.

However, just before, from 2354 Aug 23, I checked out all the SW frequencies: 9330 detectable at only S7-S9, off-frequency a dead giveaway it's the Classic transmitter not the SS. Measured on about 9330.04V. Much stronger at S9+20 is 7490.17; someone even wondered if the SS were on there --- but not if it's inexact. 6159.97, S7-S9 but ACI from 6165 much stronger RHC even tho it's undermodulated as usual. 5130.38 is S9+10 but struggles against noise level; 3264.9 a JBA carrier as usual at best here. Rehear last few minutes as usual running past 0100 until finishes at 0103:35.

John Carver reports: ``Tonight's show started on time. Listening on 7490 this evening. Tried 9330 and they're not using the new transmitter but the older transmitter set up for 9330 and could barely copy it here. Allan bemoaning that the world is full of idiots. Rant about the perception of climate change. First phone call at 0012 from Bill Smith who is now out of prison and in a halfway house.

After phone call Allan states that the work on the new transmitter and antenna is coming along nicely but no dates given for completion. The discussion on climate change continued after that. Talk of many ways of creating energy that will be used at a future time. Discussion became a little more political as Allan expressed his disgust with the number of people wanting to be supported by the government and not having to work. Reading of emails at 0051. Program was off the air at 0103. 7490 moved into Brother Stair. John Mid-North Indiana`` (Glenn Hauser, OK, DX LISTENING DIGEST)

OTHERSW OTHERSW OTHERSW OTHERSW OTHER OTHERSW OTHERSW OTHERSW OTHERSW

★★ U S A. 9475-, Aug 23 at 2015, WTWW-1 is on! First time caught in a

few days, S9/+10 but very undermodulated. It's gone again at next check 2131, nor on night frequency 5830- (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 7315, Aug 26 at 0128 tune-in, no signal from WHRI -- until *0129 after it has changed beam from 173 to VG 260 degrees for Voice of Vietnam relay, JIP during totally off-topic break about Tanzania from Voice of Martyrs. HFCC shows VOV 7315:

0000-0300 English at 25 degrees

0030-0130 Spanish & English at 173 degrees

0130-0200 Vietnamese [! really English] at 260 degrees

From 0200 back to 173 for other WHRI gospel-huxtering (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 10100, Aug 26 at 0328, JBA carrier, presumably second harmonic of 5050 WWRB TN, which Paul Walker, WY, had just reported with a much stronger signal. I had not heard this for over a year; possible only during the limited UT Sun & Mon activity of WWRB, and not in the B-seasons when on 90m instead. Then it would be worth checking for 2 x 3185, 3195 or 3215, whichever in use, on 6370, 6390 or 6430. Whenever such a W00B mystery arise, first thing to try is dividing by two (Glenn Hauser, OK, DX LISTENING DIGEST)
see also UNIDENTIFIED [non] 10100

** U S A. 15550-USB, Aug 26 at 2112, WJHR gospel-huxter still reactive; tho very poor level, would you believe he's stronger with 1 kW PEP than biggies 15825 WWCR; and 15610 WEWN inaudible (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. KVOH Late Sign On --- I was planning to catch Wavescan here in Indian Wells, CA, via KVOH on Saturday (24 August), the only day they broadcast in English on SW. But they signed on, on 17775 kHz, at about 1506 UT -- six minutes late. However, the signal and the rest of the program were great. Guess I'll go on line to hear the beginning of the show (-- Richard Langley, Aug 26, WOR iog via DXLD)

You should really be in the skip zone --- or close enough for direct/ground wave? 146 km = 90 miles from Rancho Simi mountaintop(?) site. How was Sackville reception in various bands at Fred.? 176 km = 109 miles (Glenn Hauser, ibid.)

Actually, I too was surprised the signal was good in Indian Wells. However, Indian Wells is directly in front of the beam of the antenna, and the ground wave obviously travels further in that direction. I wouldn't have expected it to be good at 90 miles, however. I live approximately 15 miles off the side of the antenna, and can barely hear it at my house, even with an external longwire. From past reports we have received for 17775, it seems the daytime skip zone for that

frequency starts right around where Richard was located, and stretches all the way over to eastern New Mexico / west Texas, and the Oklahoma panhandle (Ray Robinson, Voice of Hope World Radio Network, Americas/Africa/Middle East, <http://www.voiceofhope.com> WOR iog via DXLD)

FWIW - At my QTH in Studio City, the KVOH signal on 17775 is consistently s9+ (- DRAlpert, ibid.)

** U S A. Glenn Hauser recently praised regular bandscanning as an opportunity to note anomalies. Given the past, it might be noteworthy that WRNO Worldwide was noted on the air on 7505 kHz at different times of their usual time span (including sign off at 0400 h UT) from 20 to 26 August (22 August not checked). All programmes noted were in English.

As for their Chinese broadcasts, I seemed to remember that the owners of WRNO had their own library of Chinese programming. So these broadcasts would have not been paid for. This would have made sense given the somewhat wild scheduling. But looking through my archive, I found out that this applied to the Arabic programmes they had some years ago (Dr Hansjoerg Biener 27 August 2019, DX LISTENING DIGEST)

** U S A. New WWCRC Schedule

1 File 1.5kB TXT 1kB [wwcrrprogramguide.txt](#) Download

Hello, I received a "WWCR Shortwave Broadcasting Guide" from WWCR earlier this week. This was as a result for my request for QSL cards for broadcasts that I monitored in late July. I noticed that it does not line up with what is currently on the "www.wwcr.com" web site (Noted: Aug 27th).

The program guide on their web site expires on August 31st, which is a few days from now. Thus I am assuming that what I received may be a new programming and transmitting schedule for use after August 31, 2019. I would like to thank Cathy, the WWCR program director for sending me this information that I am sharing with you. Hopefully you will find this information useful (Chuck W3ON Gessner, Aug 28, DX LISTENING DIGEST) Viz.:

=====
WWCR Transmission Schedule
WNQM/WWCR RADIO
1300 WWCR AVENUE
NASHVILLE, TN 37218 U.S.A.

Web Site: www.wwcr.com

Verify by QSL Card--Return Postage Requested (1 USD)

FREQUENCIES IN kHz: [sic]

3215,4840,5890,5935,6115,7490,9350,9980,12160,13845,15795,15825.

UTC	LANG	DAYS	FREQ	TRANSMITTER
0000-1100	ENG	DAILY	5935	WWCR-2
0000-1130	ENG	DAILY	4840	WWCR-3
0030-0800	ENG	DAILY	3215	WWCR-1
0200-0300	ENG	M-F	5890	WWCR-4
0900-1000	ENG	DAILY	15795	WWCR-1
1100-2145	ENG	DAILY	15825	WWCR-1
1200-1400	ENG	DAILY	7490	WWCR-2
1200-2300	ENG	DAILY	13845	WWCR-3
1500-1930	ENG	DAILY	12160	WWCR-2
2000-2200	ENG	M-F	9980	WWCR-4
2000-2330	ENG	DAILY	9350	WWCR-2
2200-0000	ENG	DAILY	6115	WWCR-1

2100-2145 SPA M-F 15825 WWCR-1

ENG=English SPA=Spanish 13sw
(via Gessner, DXLD)

??? Is this out of date, rather than anticipatory? The above does not make sense. 15795 was dropped months ago, or are they resuming it? Had contained Russian, Arabic? Oh, now shows TWO hours of BS daily at 09-11 when no one will ever hear it.

What about LATIN, which I just reconfirmed Sunday at 1600 on #1
Is #1 off the air between 2145 and 2200? As shown with that gap?
Is #3 off the air between 1130 and 1200, and 2300-2400?

However, the website transmitter schedules would have us believe that each of the 4 is on 24/7, no gaps. Only in the program schedules, not necessarily with the same update date, do we see all the blank spaces (Glenn Hauser, DX LISTENING DIGEST)

Later from Sept 1, new website sked contradicts the above, no 15795, etc. How did Cathy come up with that?? (gh, DXLD) here tis again:

Shortwave schedule, WWCR World Wide Christian Radio from September 1
<https://swldxbulgaria.blogspot.com/2019/08/shortwave-schedule-of-world-wide.html>
(Ivo Ivanov, SWLDXBulgaria News Aug 28-29, DX LISTENING DIGEST) viz:

WWCR-1 with 2.45 hrs reduction

0030-0800	3215	100	kW	/	046	deg	to	ENAm	English	Daily,	ex	0100-1100	
0900-1000	15795	100	kW	/	046	deg	to	WeEu	English	Daily,	new,	ex	3215
1100-2100	15825	100	kW	/	046	deg	to	WeEu	English	Daily,	no	reduction	

2100-2145 15825 100 kW / 046 deg to WeEu Spanish Mo-Fr, ex 2100-2200
2100-2145 15825 100 kW / 046 deg to WeEu English Sa/Su, ex 2100-2200
2200-2400 6115 100 kW / 046 deg to ENAm English Daily, ex 2200-0100

WWCR-2 with 3.00 hrs reduction

0000-1100 5935 100 kW / 085 deg to CeAf English Daily, ex 0000-1200
1200-1400 7490 100 kW / 085 deg to CeAf English Daily, ex 1200-1500
1500-1930 12160 100 kW / 085 deg to CeAf English Daily, ex 1500-2000
2000-2330 9350 100 kW / 085 deg to CeAf English Daily, ex 2000-2400

WWCR-3 with 1.30 hrs reduction

0000-1130 4840 100 kW / 040 deg to ENAm English Daily, ex 0000-1200
1200-2300 13845 100 kW / 040 deg to ENAm English Daily, ex 1200-2400

WWCR-4, no changes

2000-2200 9980 100 kW / 090 deg to CeAm English Mo-Fr, no reduction
0200-0400 5890 100 kW / 090 deg to CeAm English Tu-Sa, no reduction
Total 7.15 hrs, including University Network 2 hrs and Brother Stair 2
hrs. Публикувано от Observer в 2:56 PM (via DXLD)
Where did that schedule come from? Imaginary? (gh)

** U S A. Re: [620 kHz], WPFK505 - Banning CA --- Last week when I
reported this HAR/TIS station, they were repeating the station ID.
Yesterday as we were driving by, they are using this station for its
intended purpose, as they mentioned highway CA 60 is down to one lane
for the next few months. They are still giving their location as
Banning.

My observation, I-10 has four exits for Banning, and the signal was
much stronger at the west side (closer to Beaumont) than the east. The
first exit has California Highway Patrol office within a short
distance of the freeway, and I suspect that is the location of the
station. Vy 73 de Joe -- *** Avoid internet congestion, real radio
uses airwaves. *** (Joe Miller, KJ80, Desert Hot Springs, CA, Locator
DM, Aug 27, ABDX yg via DXLD)

** U S A. 790, GEORGIA, WAQI, Atlanta, 1102, August 10, 2019.
Seemingly on autopilot this hour with nonstop Korean vocals, a mix of
jazz and apparently Christian (a couple of "hallelujah" refrains).
Website entirely in Korean (even when the English option is selected).
"Atlanta Radio Korea" logo though, so still their branding.

830, LOUISIANA, KGLA, Norco, 1431, August 19, 2019. Reggaetón and
hybrid salsa, "KGLA Norco-New Orleans" top of hour and back to music.
Fairly poor and unable to confirm what slogan they're actually using.

860, GEORGIA, WDMG, Douglas, 1141, August 10, 2019. Mexi-tune, lots of
"Que Buena" slogan mentions, male heavily-accented English "WDMG AM,

Douglas" (mispronouncing as Doo-glas), local store ads in Spanish, also electing to pronounce the town that way. Very good when WAEC mostly nulled.

1040, GEORGIA, WPBS, Conyers, 1038 August 12, 2019. Presumed the one with nonstop Vietnamese lady talk. Very good but some WHO co-channel

1349.74, UNIDENTIFIED, 1059 August 23, 2019. Someone way off channel, putting out a fairly strong het against 1350. Traces of possibly C&W music, pointing N/S. Lost by 1122 when WELB upped to 1000 watts day power.

1350, ALABAMA, WELB, Elba, 1122 August 13, 2019. "In the Hands Of A Carpenter" by Legacy Five and other white Southern Gospel, local weather, "From the latest to the greatest gospel, we play them all, 1350 AM, WELB." They also use a sign-on announcement mentioning FCC "assigned frequency of 1350 kHz" just after they day power up (1000/44 watts with psra 500 watts). (Terry L. Krueger, Niceville, FL, All times/dates GMT, IC-R75, ICF-7600GR, active loop, DX LISTENING DIGEST)

** U S A. 760, Aug 26 at 0150 UT, WJR is nulled as I am trying to ID the Spanish LAH on the minus side, but more signal is coming from something in English with ``Place for Mom`` national ad but then Glen Beck plugging his show ``tomorrow at 7 am on Freedom 93-7, Real News, Real Talk``. That's now the branding of KDSP Thornton CO = Denver market, U4 50/1 kW, obviously a flip from NBC Sports as of a year ago. 0159 UT ad with 303 areacode, 0200 Fox ``news`` sounder. I wonder if K-D-S-P employ digital signal processing?? Rather the call was likely denoting ``Denver SPORts``. Now, FCC AM Query shows it's KDFD as in ``Denver FreeDom``, since 6/25/2019. Official LSS in Aug is 0200 UT; September 0115 UT.

As for 93.7, it's a mere 99-watt translator in Lakewood, K229BS [apropos call!], wagging the 760 dog; WTFDA DB still shows it originating with ``KDSP`` 760 but does have the new slogan ``Freedom 93.7`` [sic, with a point] (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 780, UT Mon Aug 26 at 0142 UT, `StarDate` just ending on WBBM Chicago --- probably reliably at 0140, also UT Sun? Our Okie affils KUCO & KWOU skip it on weekends (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 1100, 21.8 0024, WHLI, Hempstead NY. Very strong and clear! Still offset on 1100.010. Closing every night at 0030 UT - not according to any schedule I have found (Odd-Jørgen Sagdahl, Trondheim, remote Smøla, Norway, ARC mv-eko 26 Aug via DXLD)

** U S A. 1120, 22.8 0200, KMOX, St. Louis MO. Low at 1119.987 (Odd-Jørgen Sagdahl, Trondheim, remote Smøla, Norway, SW Bulletin Aug 25 via DXLD) 1120, 24.8 0323, KMOX, St. Louis MO, är ute på drift. 1119.987 (Thomas Nilsson, Sweden, ibid.)

** U S A. 1130, Aug 26 at 1915 UT on caradio I notice that KLEY, 250 watts in Wellington KS, is back on the air, the first time noticed since at least May 3. I haven't checked for it every day but I'm sure it hasn't been for more than a week. 1929 ID as ``The Wave 100.3`` as they have kept the ``translator`` of a silent AM station on the air as I confirmed that at local range July 10. I'll bet 1130 is gone again before long, but it's still JBA Aug 27 at 1943 UT vs HLNL (Glenn Hauser, OK, WORLD OF RADIO 1997, DX LISTENING DIGEST)

** U S A. 1560, Aug 24 at 0556 UT, KGOW Houston Vietnamese nulled as much as possible, so I again hear English station roughly east/west. Making SAH of about 144/minute = 2.4 Hz. Local weather by YL but can't catch any clues (some weather forecasts assume everybody listening knows it's local!); 0558 UT ``Odd Couple`` seems show name, one of them being Rod Pearson? or something like that. No local ID caught but ``Fox Sports Radio`` and at 0600 UT into scores of stupid ballgames.

Meanwhile I got this suggestion: ``(just a wild guess here) your 1560 beating with KGOW might have been Paducah in rogue-daytime mode. Again, that's just a wild guess based upon absolutely nothing. And, re the semi-colon; I completely agree. Always 73z. -- GREG HARDISON``

By Greg, I think he's got it. WPAD, KY from the east, is indeed a Fox Sports affil, supposedly U1, 1000/35 watts. One might have guessed my nearest 1560, KEBC Del City OK, also sports, but listed in last year's NRC AM Log as NBC, U2 1000/250. But it's virtually co-linear with KGOW and I hear nothing of it when aiming that way, just KGOW (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 1580, Aug 27 at 0546 UT, emergency sounder and warning from NWS Tulsa about storms in NW Arkansas, also loops E/W and not // 1020 KOKP; so this must be KHGG Van Buren AR again, rather than KOKB Blackwell OK (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 92.9 WBFM, Aug 26 at 1959 UT, Spanish music, unusual to hear on this channel; 2002 ID as ``La Mexicana`` on 92.9 and 101.5, with calls which are: 92.9 KMMML Cimarrón KS, 32/32 kW, 186.0 m. 101.5 KSMM its Liberal KS relay, 100 kW. Cimarrón is between Dodge and Garden Cities on US 50/400, 274 km = 170 miles from here. I have heard KSMM before when it was substituting for another Spanish absent, KOCD Okeene OK nearby --- not still silent as still shown in WTFDA DB. There is still a bit of tropo boost in this afternoon (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. Re: W266BU --- From Paul Dobosz: Here is what they are doing. The translator programming is the HD2 stream on 91.5 making them technically legal. I'm not sure that was what the commission had in mind when licensing so many translators but the broadcasters are gaming the system. It is a tacit admission that HD streams have few if any listeners forcing them to transmit them out in the open on FM in order to be heard. WMHW's HD2 signal is simulcast on translator W266BU 101.1 MHz in Mount Pleasant (via Harold Frodge, MI, DXLD)

** U S A. KFOG-FM 104 going OTA/QRT --- Good afternoon/evening, Just saw on TV (aka boob tube) that legendary rock station KFOG 104.5 in San Francisco is going off the air, They mention they used this format since the early '80's, but no mention if the station itself is going OTA or if it is the current format. I went to their website and no mention of there. FWIW es 73 de Joe

-- *** Avoid internet congestion, real radio uses airwaves. ***
(Joe Miller, KJ80, Desert Hot Springs, CA, Locator DM13sw, 2359 UT Aug 27, ABDX yg via WORLD OF RADIO 1997, DXLD) OTA = off the air here, tho it usually mean ON the air (gh)

It will become KNBR-FM on Sept. 6, simulcasting sports with KNBR 680. While there are a handful of small AMs going silent here and there, we're nowhere near the stage where an owner would take a full class B FM in a top-10 market silent for good! (And may not get there in my lifetime.)
<https://radioinsight.com/headlines/180039/kfog-to-flip-to-knbnr-simulcast/>
(sCott Fybush, NY, ibid.)

** U S A. FCC PLANS \$10,000 PENALTY AGAINST ALLEGED RADIO PIRATE
Radio World By Susan Ashworth 26 August 2019

The Federal Communications Commission is moving toward issuing a \$10,000 Notice of Apparent Liability against an individual accused of allegedly operating an unlicensed radio station in Arkansas.

In August 2018, according to an FCC summary of the case, the commission received a complaint from a consumer that an unauthorized station was operating in Alma, Ark., a town of 5,419 near the Ozark Mountains. An agent from the commission's New Orleans field office investigated in October and observed what appeared to be a broadcast station operating on 103.1 MHz.

Using direction-finding techniques, agents attempted to inspect a site on Fayetteville Ave., but, according to the FCC, they were rebuffed by Gerald Sutton, who refused the agent's request to conduct an inspection. Soon after the agent's arrival, the transmitter was turned off, though the agent reported it was turned back on after the agent

departed the site. In November, Sutton was sent a Notice of Unlicensed Operation and informed that the alleged operation must be discontinued immediately as it was in violation of Section 301 of the Communications Act. But Sutton responded via a letter saying that the act did not apply to him.

The FCC now states in a notice of apparent liability that that Sutton willfully violated the act and proposed a monetary forfeiture of \$10,000. Sutton has 30 days to pay or file a written statement seeking reduction or cancellation.

<https://www.radioworld.com/news-and-business/business-and-law/fcc-plans-10000-penalty-against-alleged-radio-pirate>
(via Mike Terry, Aug 27, WOR iog via DXLD)

Alma, Arkansas was the HQ of disgraced and deceased SW gospel huxter ``Tony Alamo`` --- coincidental? (gh, DXLD)

** U S A. Aug 26 at 1500 UT, Hepburn map predicted level 4 high tropo enhancement around here, more than maps have shown in a long time, but very little DTV DX to be seen; just Bad signals on RF 20 and 34, probably Tulsans. 24 hours later as much or more allegedly into Kansas but I don't have a chance to bandscan (Glenn Hauser, OK, DX LISTENING DIGEST)

** VATICAN. Thanks to a tip by Philip Hiscock in a Facebook Group, concerning a special DRM transmission from Vatican, I quickly checked 17535 kHz on 26 Aug at 1855 UT. I could "see" a DRM signal on the SDR spectrum display, but it was weak and I was unable to decode anything. Maybe it'll be a stronger signal tomorrow.

From:

<https://www.drm.org/special-drm-transmissions-during-hfcc-meeting-in-argentina-26-29-august/>

"Vatican Radio-Vatican News will also carry a special broadcast in DRM during the HFCC meeting from Monday 26-Thursday 29 August at 1830-1900 UT on 17535 from Santa Maria di Galeria beaming to 230°. Vatican Radio will broadcast music with text in English and Spanish."
(Alan Roe, Teddington, UK, WOR iog via DXLD)

Special DRM transmission being heard 27 August from 1830 UT on 17535 kHz from Vatican for the HFCC Conference in Buenos Aires. Currently hearing instrumental music with IDs "Vatican news". Poor signal lock with frequent prolonged drop-outs (Alan Roe, Teddington, UK; Elad FDM-S2 & ALA1530LN using Elad FDM-SW2 software, WOR iog via DXLD) see also DIGITAL BROADCASTING --- DRM below

Alan -- What mode and data rate were they using? My current 'favourite

rant' is DRM in 64-QAM Mode A (a mode designed for local MW reception) on SW. Even Mode B at that data rate is dicey on SW -- V Nigeria uses Mode C at 16-QAM which actually does provide decodes during decent propagation, but even THAT can be a challenge at times! Thanks and 73 (//Ken Zichi, WOR iog via DXLD)

Unscheduled broadcast of Vatican R in Ukrainian, Aug 28:
from 0700 9645 SMG 250 kW / 060 deg EaEu Liturgy, very good signal
from 0700 11930 SMG 250 kW / 062 deg EaEu Liturgy, very good signal
Videos will be added later today -- 73! (Ivo Ivanov, WOR iog via DXLD)
That was a Wednesday

Unscheduled broadcast of Vatican Radio in Ukrainian, August 28:
from 0700 9645 SMG 250 kW / 060 deg EaEu Liturgy, very good signal
from 0700 11930 SMG 250 kW / 062 deg EaEu Liturgy, very good signal

<https://swldxbulgaria.blogspot.com/2019/08/unscheduled-broadcast-of-vatican-radio.html>

(Ivo Ivanov, SWLDBulgaria News August 27-28, WOR iog via DXLD)

** VIETNAM [non]. 9670, Radio Dap Loi Song Nui (Vietnam Democracy Radio) (presumed), Aug 28, at *1229, heard the start of the jamming from assume Vietnam, but surprised was not the usual siren jamming as always heard in the past, but instead was a pulsating noise; *1230, start of Radio Dap Loi Song Nui; poor and mostly unusable (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1997, DXLD)

Aoki Nagoya fq database show Paochung Taiwan origin:
``9670 Radio Dap Loi Song Nui 1230-1300 1234567 Vietnamese 100 205
Paochung TWN 234334N 1201802E VDR b18``

Here I send you the Audacity recording of SDR remote unit at Akitakata southwestern Japan Hiroshima

Paochung signal is exact 9670 kHz, and accompanied by two jamming peak signal - likely from Vietnamese security organization forces unit on 9669.120 kHz peak of scratching sound, 9671.420 kHz a ditler audio tone. 73 wolfie df5sx (Wolfgang Bueschel, WORLD OF RADIO 1997, DX LISTENING DIGEST)

** YEMEN [and non]. RADIO BECOMES NEW BATTLEFIELD IN YEMEN WAR
Stations attacked and threatened by Houthis rebels as they attempt to influence largely illiterate listenership
By JOSHUA HOLMES / THE MEDIA LINE August 27, 2019 06:34 4 minute read

<https://www.jpost.com/Middle-East/Radio-Becomes-New-Battlefield-in-Yemen-War-599809>

Shi'ite Muslim rebels in Sanaa, Yemen, March 26, 2013. (photo credit: REUTERS)

On a bright January morning, Abbas Al-Akbari, a seasoned producer at Hodeidah Radio, glanced outside his office window and noticed a pick-up truck rapidly approaching his building.

Just a few minutes later, about five fighters jumped out of the vehicle and stormed his office. They vandalized the recording room, confiscated equipment, and looted the entire contents of the station's archives, which housed over 50 years' worth of material documenting Hodeidah's history.

The city's radio station has remained shut ever since.

Al-Akbari's story is far from unusual. As the war in Yemen between a Saudi-led coalition supporting the Yemeni government and Iranian-backed Houthi rebels continues to spiral out of control, a new battlefield has emerged in the war-torn country: that is, over the electromagnetic spectrum.

Indeed, radio in Yemen – where one in every two people can neither read nor write – has become an important tool in reshaping the narratives surrounding the war. Aware of this reality, Houthis have waged a ruthless battle against media outlets and radio stations across the country.

"It's not only radio stations that are under attack, but the entire media in the country," says Amir Basloom, a manager of a large radio station in eastern Yemen. "They storm your office, confiscate equipment and detain workers, and then tell you what you're allowed to broadcast," he told the Media Line.

As a result, most radio stations in Yemen have gone off air. Those that stayed in business began taking orders from Houthi strongmen.

This was the case, for example, with Hayat FM, one of Yemen's most prominent radio stations, which aired on 104.7 FM. Last month, in a sudden turn of events, the station was renamed "Voice of the People" and began airing on 107.0 FM.

The change took place after Houthis stormed the station's headquarters and took its workers hostage. No one was allowed to enter or leave the building for over a week, according to several sources on the ground.

"The risk is not just physical, it's also financial," Basloom explained. "The Houthi rebels force all businesses to donate a portion

of their revenues to the so-called war effort."

Radio stations and media outlets, which benefit from ad money, have been disproportionately affected by this tax, he says.

"If you refuse to pay you're immediately considered a traitor or a heretic," Basloom explained, adding that "one might be imprisoned, or even killed, for refusing to donate money [to the Houthis]."

Indeed, most stations seeking to continue broadcasting independent content have been forced to relocate to areas outside of Houthi control, including to other Arab capitals such as Riyadh, Cairo, and Abu Dhabi.

"We had no other choice but to shut down our headquarters," said Masnour Al-Rida, a radio broadcaster who asked to keep his station's name undisclosed. "We now use Facebook to spread our content, but it's certainly not as effective [as traditional broadcast]," he told the Media Line.

Ali Al-Salami, another station manager who still operates from Yemen's capital city Sana'a, agrees.

"They say that there is freedom to air whatever [content] we want, but it's not real freedom," he told The Media Line. Any [content] that might be damaging to the Houthis or questions their legitimacy cannot be aired. Because station managers are afraid to upset the Houthis, they often avoid broadcasting news or political programs altogether."

Indeed, traditional radio in Yemen has become nearly defunct. Only a handful of the 26 stations that once existed in Sana'a remain functional.

Meanwhile, Eram FM and Sam FM – two of the largest stations still operating in the country – continue to broadcast pro-Houthi propaganda, including messages of support for Hizbullah and Iran. Likewise, smaller community stations located in rural Yemen have been airing radical messages to attract young men to join the Houthis' ranks.

"If you tune into one of these stations, you will likely hear reports on the destruction caused by [the Saudi-led] coalition's air raids, or maybe hear popular songs calling for war and encouraging people to join the fighting," Al-Salami said.

Earlier this summer, Sam FM launched a campaign to raise funds for Iranian proxy Hizbullah in Lebanon. Over the course of just ten days, the station managed to raise nearly \$300,000 to assist the group,

which has been strapped for cash since US economic sanctions on Iran were re-imposed.

In a video released at the conclusion of the campaign, Sam FM's general manager, Hamoud Mohammad Sharaf, celebrated the fundraiser by chanting, "Death to America! Death to Israel! Victory for Islam!"

To challenge growing Iranian influence in Yemen, Saudi Arabia has started ramping up its own broadcasting efforts in the region.

Over the past few months, the Saudi Broadcasting Corporation added several hours of content and programming to its Al-Azam station, geared toward Saudi troops deployed in Yemen. Airing from Saudi territory, the station can be heard in many parts of Yemen, usually through satellite connection.

"The Saudis have been jamming radio in Yemen," says Yemeni radio broadcaster Al-Rida. "It's also possible that they have been helping anti-Houthi stations broadcast [their content] from Saudi territory, using shortwave frequency," he adds, alluding to Riyadh's growing efforts to rein in Houthi propaganda broadcasted across Yemen.

But Al-Rida told The Media Line that he is skeptical that this will help sway public opinion.

"The Saudi intervention is only successful in [northern] Yemen, while the rest of the country continues to listen to broadcasts controlled in one way or another by the Houthis," he said. "With only a few hours of electricity a day in most parts of the country, people can't be picky about which station they listen to; they simply tune into whatever they find and consume their news from there." (via Artie Bigley, DXLD) Apparently identical story:

<https://themedialine.org/by-region/radio-becomes-new-battlefield-in-yemen-war/>
(via Bigley, DXLD)

** ZAMBIA. Only a carrier and very weak audio detected on 5915 kHz at 0435 through to past 0500 UT when I stopped monitoring the frequency here in Indian Wells, CA (- Richard Langley, 0540 UT Aug 24, WOR iog via DXLD)

UNIDENTIFIED. 760-, Aug 26 at 0143 UT, WJR Detroit, in Michigan talkshow suffers from a low audible het on the minus side. I pull some Mexmx by nulling WJR, i.e. NW/SE, but it's hard to tell where this QRM peak, as there is more QRM from Colorado really from the NW [see USA log]. At 0156 an SHVA in Spanish but can't copy any ID. In the NRC AM Log 2018, the only USSSes on 760 are two Floridians, both on at night but with wrong formats: WLCC Brandon 1 kW religious, and WEFL Tequesta

1 sesquikW ESPND; even less likely two Radios Progreso in Cuba.

Could it be Mexican? The most clockwise is on the AZ border, XENY Nogales, Sonora. Was slightly off-minus, 29 months ago per mwoffsets: ``759.9898 MEX XENY-AM Radio Xeny (Nogales) 2017-03-25`` i.e. -10.2 Hz which unseems quite enough for the LAH I hear. While WJR itself was only 0.2 Hz high as of a dekamonth ago. IRCA Mexican Log last year shows XENY 5000/100 watts with music formats, but no mention of offfrequency. Perhaps someone closer can confirm its exact frequency (and existence) (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 1520, Aug 28 at 0618 UT, stupid sports talk vs KOKC, especially when nulled, but making fast SAH. In past this has proven to be KOLM Rochester MN, must be on 10 kW day power rather than 800 watts night U8. KOKC has hobbled itself by refusing to fix its tornado-damaged antenna, staying with STA of 10 or 12 kW ND, rather than 50/50 kW U2 as it is still licensed, per new NRC AM Log, which does not get into STAs no matter how non-temporary (Glenn Hauser, OK, DX LISTENING DIGEST) But DX News keeps noting their renewals

UNIDENTIFIED. 2900, Aug 23 at 0554 UT, JBA carrier. Checking out Kevin Redding's Crump TN suggestion on the ABDX yg, Aug 23 at 0210 UT, ``WREL 1450 2nd harmonic --- Turn to 2900 to hear WREL 2nd Harmonic on 2.900 MHz``. We're supposed to know the locations of every graveyarder? I find a previous log of its fundamental from *2017*: ``1450 August 11 at 1530, WREL Lexington VA, ID "Sports radio for Rockbridge County 1450 WREL" (Larry Will-WV)``.

Of the hundreds of stations on 1450, several others could be harmonicizing; what's remarkable is that how few US MW stations axually radiate on doubles and triples beyond local range. Also I am surprised even to detect some JBA carrier, with summer storm noise more of an obstacle than my high local line noise at this part of spectrum, which sometimes bad as high as 11.8 MHz (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 2940.082, Aug 23 at 0555, JBA carrier vs storm noise, naturally suspecting HJNT, Radio Huellas (footprint), Cali, the 2 x 1470+ harmonicizer previously identified always off frequency+plus altho last time April 23, it was on 2940.132; Colombia's only (almost) SW station (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 9425, 1229, 8/24/19. Call and response led by a woman with a group responding (most likely prayer) into a man with sermon like talk. We could not recognize the language; however it sounded somewhat like a minority South or Southeast Asian language. Checked current Aoki, Eibi, HFCC schedules and last 3 months of DX Listening Digest without finding a match at this time with this content (Mark

Taylor, Lake Farm County Park near Madison, WI MiniDXpedition 8/24/19, 1130-1330 with Carlie Forsythe. Equipment: Airspy HF+ Discovery, W6LVP "experimenter" loop, NASWA Flashsheet via DXLD)

UNIDENTIFIED. 9538.3-USB, Aug 27 at 1940, 2-way INTRUDER in Spanish JBA very intermittent, ``cambio`` = over, literally ``change``, copied at least (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED ORIGIN. Made it into remote SDR unit at Aberdeen-NJ US east coast. 9748-9758 kHz varied OTHR 10 kHz wide signal bursts over and over again, most likely from NATO British Cyprus island bases? 0150 UT [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang Bueschel, df5sx, wwdxc BC-DX TopNews Aug 23, BC-DX Aug 24, DXLD)

UNIDENTIFIED [non]. Twice in the last few weeks, usually on a Sunday I think, I've had a English language preacher (he sounds like he's from the US) on 10100 khz. And I couldn't tie it to WWCN, IE: A harmonic. What in goodness gracious am I hearing? At 0130 the male preacher program ended and a program with a female preacher began (Paul, Laramie WY, B. Walker, Jr., Aug 25, HCDX via DXLD)

From 2018::
10100, July 15 at 0027, WWRB is JBA but enough to match this second harmonic to VG S9+25 fundamental 5050 with weekend-only over-wrought gospel huxters (Glenn Hauser, OK, DX LISTENING DIGEST), *ibid.*)

In the heat of the moment when DXing something odd, I don't always think of the most obvious places to look as I want to try and find an answer before I lose the signal (Walker, *ibid.*)

Um, I think you meant: "Thanks Glenn." (David Goren, *ibid.*)

The harmonic was quite loud and listenable. Sorry, I don't really have time to go looking while DXing for past comments way back in history. I read a lot of what you post/share, but don't obviously remember it all (Walker, *ibid.*)

You're welcome. You probably could have found such a strange frequency by searching HCDX, for example. Tnx for the tip. Here tonight at best a JBA carrier (gh, OK, *ibid.*)

Turns out this is WWRB! I figured it out before Glenn replied.
Thanks (Walker, *ibid.*)

With such a WOBB mystery, first thing to try is divide by two (gh)

UNIDENTIFIED. Re: 11820 --- Well, Glenn, I've monitored the freq daily

for a week, and the unID has never been back. It may be a mis-key on the keypad, but I'm still curious about those time pips which are unlike Japan, Korea, China, Russia, Australia, BBC, etc. 73, (Art Peterson, CA, Aug 28, DX LISTENING DIGEST)

UNIDENTIFIED. 15283.0, Aug 29 at 1440, S6-S4 carrier with flutter, maybe trace of music? Same time as much stronger 15300 carrier, probably unrelated, and no match on 15317 (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 15300, Aug 29 at 1438, S9-S7 open carrier with Doppler flutter; intriguing. HFCC has nothing ever scheduled on 15300 except RFI elsewhen (Glenn Hauser, OK, DX LISTENING DIGEST)

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#### UNSOLICITED TESTIMONIALS

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#### ACKNOWLEDGED ON WORLD OF RADIO 1997:

Thanks to Geoff Wolfe for a Financial contribution to DXLD via PayPal to woradio at yahoo.com

One may also contribute by money order or check in US funds on a US bank to Glenn Hauser, P O Box 1684, Enid OK 73702

#### TO BE ACKNOWLEDGED FUTURELY:

Hello Glenn, This is another gift to you for your ongoing work-of-excellence with WOR and DXLD and as reflected in the membership of DXers associated! Big thanks again and Truest Best Regards, (Steve McGreevy, CA, with a contribution via PayPal to woradio at yahoo.com)

Hello again Glenn, I plan to write Carlos Goncalves in the next few minutes. He might know somebody from the overseas service of Radio Portugal to whom I can give these old recordings. Their old international service was wonderful, with programs in several languages. I literally grieve at the constant loss of shortwave on the air. I may contact Interval Signals online to see if some of the old recordings I have might be of interest to them. I have ID recordings from such stations as Radio Havana Cuba, the Voice of Lebanon, Radio Berlin International and others.

Transatlantic conditions here in Ireland have generally been extremely poor. I am using a Sony 2010 radio with about 60 feet of wire and I am sure that the beam and longer wires that I use in Louisiana would

produce better results. We just don't have much land here for antennas. I plan to be back in the US in November. Let's hope that we have passed the bottom of the current sun spot cycle and that the new cycle will be fantastic. From what I am hearing among Ham Operators and others, I have my doubts about this, but we can always hope.

Sorry this was a bit long, I know you have plenty to do! I am just about to listen to World of Radio later this evening or in the morning. I listen online from your website stream. Most products talk to me and read the screen for me. Take care, be safe and thank you for your valuable contribution to shortwave radio. With Best Regards and Wishes, (Glynn Langston, EI1CN and WA5TAQ, Aug 22, with a contribution via PayPal to woradio at yahoo.com)

#### PUBLICATIONS

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#### WORLD OF RADIO HITLIST UPDATE

<http://www.w4uvh.net/hitlist.htm>

- 1) China - CRI: Added new link for "My China" archive audio and scripts of some CRI feature programmes (such as Selfie) amongst others
  - 2) Finland - Scandinavian Weekend R: Added entry for this station
- Unless there's a major change anywhere, the next update will be late September. Best wishes and 73 (Alan Roe, Aug 25, DX LISTENING DIGEST)

#### INTERNATIONAL RADIO STATION: LIST OF ENGLISH SERVICE EMAIL ADDRESS

[http://dxingworld.com/radio-address/intl-radio-station-list-of-english-service-email-address/?fbclid=IwAR3HsYm5XA-rs1wxr6FamzL0RqgreIlU2ME9kte5fi3cCZ0QFx\\_1qf4v9jc](http://dxingworld.com/radio-address/intl-radio-station-list-of-english-service-email-address/?fbclid=IwAR3HsYm5XA-rs1wxr6FamzL0RqgreIlU2ME9kte5fi3cCZ0QFx_1qf4v9jc)  
(via RUS-DX Aug 25 via DXLD)

#### K9YA TELEGRAPH

<http://www.k9ya.org>

The K9YA Telegraph is a free, monthly, general interest amateur radio e-Zine first published in January 2004. The journal of the Robert F. Heytow Memorial Radio Club, the K9YA Telegraph is distributed to subscribers in over 100 countries via e-mail as a PDF file. Issues comprise original articles written by authors drawn from its subscriber base. Notable among those authors was contributing editor, Rod Newkirk (SK), W9BRD/VA3ZBB, former "How's DX" columnist for QST magazine.

The K9YA Telegraph describes itself as unique in offering the amateur radio community a no-cost, high concept publication covering a number of topics unavailable elsewhere and in providing a welcoming venue and

readership to first-time writers.

From Wikipedia, the free encyclopedia

It is very interesting to look through the photos on this website. There is a tremendous variation among the photos, old radio equipment, ads and funny pictures.

Christoph Ratzer found a funny old picture among the photos in K9YA Telegraph which he published in his A-DX Fernempfang "DAS sind Mittelwellenantennen". See [https://www.facebook.com/pg/k9ya.telegraph/photos/?ref=page\\_internal](https://www.facebook.com/pg/k9ya.telegraph/photos/?ref=page_internal)

And what about the antenna spray below? Creating better conditions or what? (Thomas Nilsson, SW Bulletin Aug 25 via DXLD)

#### CONVENTIONS & CONFERENCES

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CENTURY OF BROADCASTING CONFERENCE, October 22-24, 2020

Radio Survivor is pleased to share an announcement from the Radio Preservation Task Force (RPTF) of the Library of Congress about a call for papers for its forthcoming conference, "A Century of Broadcasting: Preservation and Renewal." The event will be held October 22-24, 2020 at the Library of Congress in Washington, D.C.

Presentation proposals are due by December 1, 2019. Read on for the full details from the RPTF:  
<http://www.radiosurvivor.com/2019/08/22/call-for-papers-century-of-broadcasting-preservation-and-renewal-conference/>  
(via Bennett Z Kobb, IEEE, Aug 22, DXLD)

INTERNATIONAL RADIO CLUB OF AMERICA CONVENTION  
September 5-7 in Tukwila, WA (suburban Seattle)

registration details at  
<https://www.ircaonline.org/info.php?pnun=8594abfdf5bf02>

convention schedule:

Thursday, September 5 2019  
Guests arrive by air, train, bus, and cars (hotel provides shuttle van)

Courtyard by Marriott Seattle Southcenter,  
400 Andover Park W, Tukwila WA 98188  
800-321-2211 or 206-575-2500.

[PDT = UT -7]

4:00P Registration in Lobby. HOSTS: Mike Sanburn, Bruce Portzer.

6:00P Dinner on your own at near-by restaurants (possible group meal at Outback)

5-9PM Museum of Flight FREE night, only 10 minutes from the convention

Friday, September 6 2019

9:00A Meeting room opens

10:00+ Depart for KIRO tour (tour is at 11 AM)

1:00P KNHC tour (student run FM station)

5:00P Dinner Break

6:30P Transmitter sites - Ben Dawson

Over the Pole DXing, What a Difference a Year Makes - Nick Hall-Patch

DXing from Japan - Satoshi Miyauchi/Hiroo Nakagawa

Rockworks' Greatest hits - Tom Rothlisberger

Life as a DXer/group - Pat Martin group DXcussion

10:00P Good night (meeting room closes)

Saturday, September 7 2019

9:00A Innovative Ferrite Antennas - Gary DeBock

Antenna phasing, an Introduction, by moderator, Bill Whitacre and Nick Hall-Patch

Fixed Phasers For Pairs of Antennas - Dave Aichelman

Phasing Backyard Antennas - Nick Hall-Patch

11:30A Lunch Break

1:00P Social time, plus outside (weather permitting) informal demonstration of antenna arrays and techniques - Gary DeBock/Guy Atkins/Nick Hall-Patch

4:00P IRCA Business Meeting - Bruce Portzer

4:45P Group picture - gather in lobby

5:00P Gathering for banquet at Claim Jumper (on your own funds)

5:30P Leave for banquet

6:00P Banquet at Claim Jumper

8:00P Auction in the meeting room - auctioneers TBBD

10:00P Good night (meeting room closes) - see you next year!

Sunday, September 8 2019

No events planned, random gatherings with folks waiting to leave

I will have some free passes to the Museum of Flight should anyone want to go there.

There will also be a DXpedition to Grayland WA after the convention, starting Sunday night. See Bruce Portzer for details (Nick Hall-Patch, Victoria, BC, Canada, Hard-Core-DX mailing list via DXLD)

## LANGUAGE LESSONS

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### AMATEUR CONNECTION. WHAT IS WRONG WITH THE CALL SIGNS OF OBSERVERS?

The Union of Russian Radio Amateurs (CPP) issues callsigns to observers. These callsigns contain hyphens, which are poorly processed or generally prohibited by many amateur radio services and programs. WSJT-X does not want to write this hyphen in the callsign field; FLDIGI such callsign is constantly trying to fix it. Many DX clusters write when connected, saying "Invalid Callsign". And I have met a lot of such situations all the time. One reason is that such callsigns do not comply with international rules. I talked with one good person who explained everything to me.

Here we come to the deep philosophical question of the validity of the amateur radio call sign. According to international rules (established by IARU and CEPT documents that apply to Russia), the callsign consists of a prefix (a combination of letter-number or number-letter-number) and a suffix (letter). Exceptions in the form of homespun callsigns with hyphens inside, generally speaking, are not allowed. Returning to this problem many times, I saw how, in different countries, artisan creativity in the formation of observing callsigns gives such different combinations that it is impossible to choose a general rule for them. <...>

I lifted up my archives and found out (memory, alas - girlish! I have to write everything down) that the person with the call sign R6H-212 already experienced similar problems, and I already explained to him why the R6H-212 was invalid. Then he received (this is very fast) through the website SWARL.org a valid callsign UA6111SWL. And everything worked for him. <...>

I don't think that I will "adapt" to the control of ... the rules of the CPP, who have come up with this format overnight - all the more so because they don't make any contact in terms of information exchange, I tried through the regional office and through central authorities ... in some cases did not even receive confirmation of reading letters. Source:

<https://swling.ru/2019/08/21/chto-ne-tak-s-pozyvnymi-nabljudatelej/>

This is the situation. What do you think? Leave comments if you have encountered this situation.

<https://vk.com/@radioreceiver-chto-ne-tak-s-pozyvnymi-nabljudatelei>  
73! (via RUS-DX Aug 25 via DXLD)

DIGITAL BROADCASTING --- DAB See SWITZERLAND; UK; R.E.F.

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DIGITAL BROADCASTING --- DRM See also ASCENSION; CHINA; GUAM; KUWAIT;  
+++++ NEW ZEALAND; NIGERIA; VATICAN; R.E.F.

Lots of DRM News at @swwinb on Twitter

Hope this helps, WOR behind on several DRM developments this week.  
<https://twitter.com/swwinb>  
(Hans Johnson, FL, Aug 23, DX LISTENING DIGEST)

TODAY'S ASCENSION AND VATICAN DRM TO THE HFCC

2 Files378.3kB

JPG168kB Ascension\_DRM\_Brazil-rcvr\_270819.jpg

JPG210kB Vatican\_DRM\_Brazil-rcvr\_270819.jpg

Today I received Ascension and Vatican DRM transmissions for the HFCC in Argentina.

For the Ascension transmission at 1600-1700 UT on 21630, I used an SDR in Brazil. Audio was KBC (Korea South) in Spanish, despite the "BBC WorldService" ID. During the first half of the hour, there were only a few audio dropouts. During the second half, the dropouts became more frequent and longer, to the point of being annoying. The screenshot below shows a deep fade at top, resulting in loss of audio. Dream must show three green rectangles for the audio to decode.

The Vatican DRM at 1830-1900 UT on 17535 was good to a Brazilian SDR, with no dropouts that I can recall. But I was summarily evicted from the SDR. And all the other Brazilian SDRs were filled up. Apparently others wanted to tune in the Vatican, and given the paucity of DRM receivers, SDRs with an IQ mode are the best option for now. Below you can see the Vatican DRM decoding successfully despite the leopardskin trace in the waterfall ...

It would be very interesting if they could alternate five minutes of DRM and five minutes of analog, at similar power, to see which type of degradation is the lesser evil (Kim Elliott, Shortwave Radiogram, Aug 27, with illustrations, WOR iog via DXLD)

FCC PETITIONED TO OPEN UP 45 TO 50 MHZ FOR DRM+ BROADCASTS IN THE USA  
EI7GL August 28, 2019

<https://ei7gl.blogspot.com/2019/08/fcc-petitioned-to-open-up-45-to-50-mhz.html>

Currently most of the terrestrial radio stations in the USA broadcast either on the AM band from 540 to 1700 kHz or on the FM band from 88 to 108 MHz. At the end of September 2018, the FCC announced that there

were 4,464 stations on AM and 10,867 stations on FM.

Due the crowded nature of the existing bands, it has been hard to introduce new digital radio formats. DRM or Digital Radio Mondiale is a digital format designed to replace existing AM transmissions with clearer audio and with just 20% of the power. DRM+ is the format for VHF.

WRNJ Radio co-owner Larry Tighe has now filed a petition for rulemaking with the FCC, asking that the 45 MHz to 50 MHz band on the VHF spectrum be reallocated for DRM+ transmissions.

In a statement, Tighe said... "The 45-50 MHz band was allocated to two-way radio users in business and government, who have since migrated to higher bandwidths where they can use handsets with smaller antennas. As a result, this spectrum is extremely quiet right now. WRNJ monitored this bandwidth for an extended period of time, and heard very few distant signals."

"There were 660 TV stations between Channels 2 and 7 before the transition to UHF for HDTV. There are now only approximately 60 TV stations in the USA on those old VHF channels. There is plenty of spectrum to share with a new service, i.e., DRM+ or any modulation, if the FCC really wanted to move AMs."

Even though the DRM standard has been around for over a decade, it is only recently that it has begun to make serious inroads to the broadcasting scene with India, China and Russia showing an interest. One of the current problems is the high cost of DRM receivers which is prohibitive to consumers in developing countries.

Obviously if the USA opted for a new DRM+ allocation, it would give the format a huge boost. If it turned out to be the 45 to 50 MHz allocation then it raises the possibility of long distance reception by means of Sporadic-E during the summer months or via F2 propagation around the peak of the sunspot cycle (via Mike Terry, Aug 29, WOR iog via DXLD)

Of course the big question with this proposal: Would anyone buy the new radios needed when streaming through smartphones and smart speakers seems to be the preferred options amongst consumers of audio content (especially younger people)? And would stations be willing to lose money on such transmissions while an audience (hopefully but doubtfully) builds?

Recall that FM radio struggled for decades in its infancy, and that was without competition from the Internet.

Interesting proposal, but probably way too late, as other technologies have captured market share. Outside of radio geeks, I'm afraid there will be little to no public interest in such a plan, especially if the new stations maintain the current programming now available on the AM band.

I agree that the 45 to 50 MHz spectrum is pretty empty and should be reallocated for other uses (Stephen Luce, Houston, Texas, WOR iog via DXLD)

#### U.S.-BASED SHORTWAVE BROADCASTERS EYE DIGITAL

Group seeks a path to "affordable, distributable" DRM receivers

James Careless · 2 days ago

<https://www.radioworld.com/tech-and-gear/u-s-based-shortwave-broadcasters-eye-digital>

Relatively few Americans are aware of it, but the United States is home to many commercial/religious international broadcasters that transmit programming worldwide using analog shortwave radio transmitters. They are supported by an industry group called the National Association of Shortwave Broadcasters.

Unfortunately, analog shortwave radio transmissions are notorious for interference and signal dropouts. For listeners in other countries, the sound coming out of their shortwave radios lacks the superior audio range of domestic U.S. AM (yes, we said AM) and is often wracked with static and signal fading.

Members of the National Association of Shortwave Broadcasters are shown at their annual meeting in North Carolina, hosted by Trans World Radio [caption]

For years, NASB members have wanted to replace (or at least augment) the poor audio quality of analog SW with the crystal-clear sound of digital SW radio, specifically the Digital Radio Mondiale standard developed in Europe that is now being used in China and India.

"DRM sounds very much like FM, with a wide audio range and no static," said Charles Caudill, president emeritus of World Christian Broadcasting, owner/operator of U.S. SW station KNLS. "It is also consistent: Either the DRM signal is received on your SW radio in full, or it isn't. There's no in-between."

There are some DRM radios in use now, which is why some NASB members are offering limited DRM broadcasts alongside their regular analog SW transmissions.

"But the current generation of DRM SW receivers cost about \$100 each, whereas you can buy a cheap analog SW radio for as little as \$10," said Dr. Jerry Plummer, a professor at Austin Peay State University in Clarksville, Tenn., and frequency coordinator for U.S. SW station WWCR. "Given that the audiences being targeted by NASB members are largely in the third world, the lack of inexpensive DRM receivers keeps them listening to analog shortwave."

Mindful that other digital audio sources are gaining ground even in less-developed countries, the NASB has decided to take action. At its recent annual meeting in North Carolina, at the facilities of U.S. SW broadcaster Trans World Radio, the NASB formed a DRM Receiver Working Group. Headed up by TWR engineer George Ross, this group has been "tasked to evaluate what it will take to get affordable, distributable DRM receivers," Ross told Radio World. "What is holding DRM up is the lack of affordable receivers."

CHICKEN-AND-EGG [caption]  
DRM radio prototype from StarWaves.

Given the NASB's interest in low-cost DRM receivers, it was no coincidence that Johannes Von Weyssenhoff was invited to speak at the annual meeting. Von Weyssenhoff said his StarWaves manufacturing firm <http://www.starwaves.de> has the technology, capability and existing prototypes to build DRM radios for \$29 each, but only if the sale order is large enough to deliver economies of scale. (He also estimated \$18 DRM modules could be built for installation in other radio models.)

"Twenty-nine dollars is doable at volumes starting at 30,000 receivers," Von Weyssenhoff told Radio World. "Even smaller quantities would be possible at this price for very simple radios – for example, without graphics displays – but these would be special projects that had to be discussed individually. But even more advanced radios with Bluetooth or premium designs will be possible to offer at a reasonable price," he said – as long as the sales orders was in the tens of thousands or more.

Given that India and China have committed to the DRM standard, there appears to be a mass-market for these receivers. But the problem for StarWaves is finding the money to build enough of them to drive per-unit costs down.

"In recent years I have tried to convince quite a number of potential investors but either I have not yet found the correct audience, or I was not yet able to communicate this great opportunity convincingly," said Von Weyssenhoff. "You just have to imagine that alone in India, according to All India Radio, there is a demand of up to 150 million

receivers within the next few years. This market could have been served with tons of receivers by now and big profits could have been made, but instead I had to grow the development in very small steps." Plug-in DRM module.

The money StarWaves needs is not huge: "An amount of \$150,000 or even \$100,000 would certainly do wonders and enable us to start production within a few within a few weeks," he said. "A commercial order of 10,000 receivers or more would have a similar effect."

NASB's members don't have this kind of money available. Saddled with huge antenna farms and multiple power-devouring 50 kW to 500 kW transmitters, the commercial/religious shortwave broadcasting sector is tight for cash.

"Broadcasting DRM requires either a new transmitter or the modification of an existing transmitter," said Kim Andrew Elliott, a retired Voice of America broadcaster and host of "Communications World" who has organized many demonstrations of DRM reception at the annual Winter Shortwave Listeners Fest going back to 2003.

"These days, many shortwave broadcasters are thinking about whether they should keep their existing shortwave transmitters on the air, rather than thinking about buying or modifying a transmitter."

Their situation isn't helped by the lack of audience measurements detailing SW's far-flung listener base. Not only does a lack of SW ratings make it difficult to sell spots to advertisers, "but the squeaky, staticky sound of shortwave makes it hard for us to talk to the people at Coca-Cola, who fear that listeners will associate their product with inferior quality," said Caudill.

The resulting conundrum is a classic chicken-and-egg dilemma. StarWaves and other DRM radio manufacturers don't have the money to produce DRM radios in volumes that would make them cheap to buy.

"To determine when we can consider broadcasting in DRM, there needs to be a 'completed broadcast network,' i.e. broadcasts and receivers," said Ross. "Without receivers, broadcasts are futile. So broadcasters are still waiting for manufacturing of receivers."

Jeff White, general manager of U.S. SW broadcaster Radio Miami International (WRMI), said, "We know it's a chicken-and-egg situation, but no one is willing to invest a lot of time and money into transmitting DRM programs unless they know that there are at least some listeners out there who are able to hear the programs. The other factor is that there are probably billions of analog shortwave receivers out there, and more being manufactured every day in China.

So there will still be a large audience out there listening to analog shortwave for a long time to come."

INEVITABLE?

Despite the hurdles being encountered by StarWaves and the NASB, there seems to be momentum growing for DRM. India's move to DRM will create a mass-market for low-cost DRM receivers as soon as they become available. Meanwhile, China's recent DRM deployments has made it "the world's largest DRM shortwave broadcaster," wrote Hans Johnson in Radio World earlier this year. "China operates the most DRM transmitters in this band and has the most extensive schedule."

It is this context that U.S. SW broadcasters are making their DRM push.

"From my knowledge of the situation, many of these broadcasters have been interested in DRM since its inception," said Christopher Rumbaugh, administrator for the blog DRMNA.info that covers DRM developments in North America. "The reason they are pulling together now is that the time is right for affordable receivers."

His site posted a recap of NASB 2019 including Von Weyssenhoff's NASB StarWaves presentation, at <http://drmnainfo.blogspot.com/2019/05/nasb-2019-after-action-report.html>

WRNJ: AM Stations Should Consider DRM+

U.S. international radio broadcasters aren't the only ones interested in the DRM digital radio transmission standard. WRNJ Radio co-owner Larry Tighe would like stations on the AM band in the United States to have the option of broadcasting using the DRM+ standard if they choose. Licensed to Hackettstown, N.J., "Oldies 1510 WRNJ" broadcasts on 1510 kHz and simulcasts on FM frequencies 92.7 and 104.7 MHz.

Mindful that the current AM band doesn't have space to add DRM+ stations, he has filed a petition for rulemaking with the FCC, asking that the 45 to 50 MHz section of the VHF spectrum be reallocated for this purpose.

"The 45-50 MHz band was allocated to two-way radio users in business and government, who have since migrated to higher bandwidths [sic] where they can use handsets with smaller antennas," said Tighe. "As a result, this spectrum is extremely quiet right now. WRNJ monitored this bandwidth for an extended period of time, and heard very few distant signals."

According to Tighe, allowing AM broadcasters to broadcast in DRM+ on

45-50 MHz would vastly reduce their operating costs due to the more efficient broadcast coverage of DRM+, with 1 kW effective radiated power over DRM+ being equal in coverage to 5 kW ERP with AM. His FCC petition argues that allowing AM broadcasters to use DRM on 45-50 MHz would also free the FM band from the thousands of AM-operated FM translators now in use, thus reducing congestion for actual FM broadcasters.

Tighe's FCC petition acknowledges that DRM+ radio receivers are not widely available to consumers but says that "just like any new spectrum usage, receiver manufacturers will respond to the demand for new receivers."

It remains to be seen what the FCC's response to Tighe's petition will be. Meanwhile, this New Jersey broadcaster also has his eye on the lower half of the once-busy VHF band for AM stations on DRM+.

"There were 660 TV stations between Channels 2 and 7 before the transition to UHF for HDTV," said Tighe. "There are now only approximately 60 TV stations in the USA on those old VHF channels. There is plenty of spectrum to share with a new service, i.e., DRM+ or any modulation, if the FCC really wanted to move AMs" (via Artie Bigley, DXLD)

DIGITAL BROADCASTING --- DTV See MEXICO; OKLAHOMA; USA; DRM  
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RADIO EQUIPMENT FORUM  
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TOTAL ENERGY EXPENDITURE, STREAMING VS SHORTWAVE

In DXLD 19-33, you have an item "The Energy Nightmare Of The Internet," which mentions an interview with a woman who is surprised that "nobody seems to calculate the impact of an internet search or upload."

Years ago, I saw a calculation (I think it was in New Scientist magazine) of the energy cost of a single Google search. It was surprisingly large, though I can't remember what it was, nor can I find the New Scientist article. By extension, it seems logical that there is a substantial energy cost to many people streaming the same content (or listening later) on their computers. It seems possible to me that shortwave can reach many more people with a smaller total energy expenditure than online streaming. Of course, the internet allows a programmer to shift costs to the listener, who has to purchase a phone or computer, download software (sometimes advertiser-supported), pay for bandwidth and electricity for a CPU,

etc. (Mike Cooper, GA, Aug 24, DX LISTENING DIGEST)

DXERS OF THE WORLD REJOICE - THE ETON E1 TO RETURN!

From the Universal Radio webpage!

"The Eton Elite Satellit is simply the finest full-sized portable in the world. The Elite Satellit is an elegant confluence of performance, features and capabilities. The look, feel and finish of this radio is superb. The solid, quality feel is second to none. The digitally synthesized, dual conversion shortwave tuner covers all long wave, mediums wave (AM) and shortwave frequencies. HD Radio improves audio fidelity and adds additional programming without a subscription fee.

Adjacent frequency interference can be minimized or eliminated with a choice of three bandwidths [7.0, 4.0, 2.5 kHz]. The sideband selectable Synchronous AM Detector further minimizes adjacent frequency interference and reduces fading distortion of AM signals. IF Passband Tuning is yet another advanced feature that functions in AM and SSB modes to reject interference. AGC is selectable at fast or slow. High dynamic range permits the detection of weak signals in the presence of strong signals. All this coupled with great sensitivity will bring in stations from every part of the globe. Organizing your stations is facilitated by 500 user programmable presets with alpha labeling, plus 1200 user definable country memories, for a total of 1700 presets.

You can tune this radio many ways such as: direct shortwave band entry, direct frequency entry, up-down tuning and scanning. Plus you can tune the bands with the good old fashioned tuning knob (that has new fashioned variable-rate tuning). There is also a dual-event programmable timer.

Whether you are listening to AM, shortwave, FM or FM-HD, you will experience superior audio quality via a bridged type audio amplifier, large built in speaker and continuous bass and treble tone controls. RDS is included. Stereo line-level output is provided for recording or routing the audio into another device such as a home stereo. The absolutely stunning LCD has 4 levels of backlighting and instantly shows you the complete status of your radio." (via Colin Robert Newell, BC, 22 Aug, mw-dx iogroup via DXLD)

The big question with Eton is going to be what the quality [control] is like (Russ Edmunds, WB2BJH, Blue Bell, PA, Grid FN20id, ibid.)

I hope that they don't fix the problem of the plasticizer in the case oozing out and making the receiver sticky. It does perform as a good dust magnet in my shack....LOL! (Seriously, it is the one thing that I

don't like about this radio) (John Fisher, *ibid.*)

Hi Colin, Yep! This announcement got a lot of attention when it first appeared June 11th over on the SWLingPost.com web site:  
<https://swling.com/blog/2019/06/wow-check-out-the-new-eton-elite-satellit/>

Also this more recent article and comments:  
<https://swling.com/blog/2019/06/update-eton-elite-satellit-expected-q4-with-pre-order-price-of-345-us/>

Currently there are 52 comments on that first thread, a number of them very interesting. Eton insists this is not vaporware; the radio is even featured on the inside cover of Universal-Radio's new catalog. However, the "late summer 2019" availability date (published in more than one source) is now changed to "no sooner than March 2020". The radio will now come with a nice carrying case included, per the Universal page.

Based on all the features and specs, it *\*appears\** this may not be another DSP SiLabs-based radio; it could be that Eton is dusting off the original analog design of the E1.

Although the release date is pushed back, Universal still offers a \$349.95 pre-release price on the radio. As so few new, quality receivers come our way, this will be an interesting one to follow for sure! 73, (Guy Atkins, Puyallup, WA, *ibid.*)

Here's my guess, just to throw gasoline on the fire: Eton puts out long-lead material to generate buzz. Since the prototype isn't finalized (maybe not even built), they use marketing collateral from the original unit with the usual caveat of "specifications subject to change". They know the target they want to hit (the original unit) but that they need to update it to modern specs (I see they mention FM-HD specifically but not AM-HD - would be a shame if they omitted the latter but doubt that's the case). I'm sure that given the attention they obviously pay to case design, they'd want to tweak the updated model to look more like the rest of their lineup - the PDF referenced in the thread above shows the Elite in a line up with their others and the Elite looks dated compared to the other 4 units. I did say gasoline. :-)) -- (Peter Laws | N5UWY | plaws plaws net | Travel by Train! *ibid.*)

My thoughts EXACTLY, Peter! I think this long lead time, and the pre-order, is to test the market. The skeptic in me says they aren't really committed to this model just yet.

Although the E1/E1XM case design is dated, it's a very attractive case IMHO. I was assuming they'd position the Elite as a "retro" or

"revival" radio. UK radio manufacturer Roberts has evidently done quite well with the Revival line of portables; but of course that's for mass consumer AM/FM/DAB models, not radios for the dwindling MW/SW DXer crowd (Guy Atkins, IRCA iog via DXLD)

# CESTRON ANNOUNCES ACQUISITION OF STRATEGIC ASSETS FROM AMPEGON AND AM BROADCAST

1 File727.2kB      PDF727kB  
CESTRON News Release 2019-08 - English.pdf Download

Glenn: This is the official announcement from "CESTRON" regarding their swallowing up the two bankrupt organizations, Ampegon and AM Broadcast. It's dated the 12 August, but was not sent out by them (to me at least) until the 21st. Cestron is the former Antensan.  
(Ben Dawson, Hatfield-Dawson, WA, 23 Aug, DX LISTENING DIGEST) Viz.:

Dear Mr Dawson, Please be informed that CESTRON acquired strategic assets and personnel from Ampegon and AM Broadcast. The acquisition of both companies enables CESTRON to provide spare parts and services and to support products, projects and installations of Ampegon Antenna Systems (former Thomson Broadcast) and AM Broadcast (former Transradio and Telefunken SenderSysteme AG).

Attached you will find our official news release with more information. Please feel free to share this information with other colleagues in your business environment who may be interested to receive the news.

Please do not hesitate to contact us in case of questions or for further information. We are looking forward to hearing from you soon!  
Best regards, Milan Popovic  
Sales and Project Director

CESTRON International GmbH  
Oderstraße 67  
14513 Teltow (Affiliate)  
GERMANY / ALLEMAGNE / ALEMANIA

Tel. +49-3328-339 85-17  
Fax. +49-3328-339 85 -25  
Mob. +49-170-93 95 246  
e-mail: popovic@cestron.de

Registergericht / registered at: Amtsgericht Potsdam, HRB 22997 P  
Geschäftsführer / Managing Director: Selahattin Erdem  
(via Ben Dawson, DXLD)

GERMANY/ITALY/SWITZERLAND/USA

neu CESTRON Berlin firm, Ampegon Schifferstadt Germany bankrott,  
? (exBBC Mannheim Germany Thomcast), plus exTRANSRADIO AEG-Telefunken  
Berlin, August 17, 2019  
<<https://ampegon.com/de/produkte/kw-rundfunkantennen/>>

da kommen erste Meldungen ueber den Bankrott von Ampegon Antennenbau  
Germany herein. Aber die Uebernahme durch eine  
italienisch-schweizerische Finanz- und Electronicfirma Energy  
Technology Srl, part of Arete & Cocchi Technology group of companies,  
based in Bologna, Italy,

für Ampegon Deutschland ist eher gescheitert, obwohl es so geplant war  
...

{comment: "Es ging drunter und drueber bei Ampegon. Das HQ in der  
Schweiz gibt es nach wie vor und laeuft unter neuem Besitzer unter  
Ampegon Power Electronic. Berlin und Ludwigshafen haette auch von  
Ampegon Schweiz gekauft werden sollen, aber da hat der alte Besitzer  
irgendwelche linken Dinger gedreht und die einfach an jemand anderes  
verkauft. Mal sehen wie es weiterlaeuft. Hoffentlich ist anzunehmen,  
dass die in den USA ihre Antenne noch fertig bekommen." }

unklar ist bisher - oder eher - mit einem Berlin Kurfuerstendamm Buero  
- CESTRON:

Das Unternehmen CESTRON International GmbH

gibt die Uebernahme von strategischen Vermoegenswerten von Aktionaeren  
{in Berlin Germany - } folgender Unternehmen bekannt:

a.. Ampegon Antenna Systems mit Sitz in Ludwigshafen  
(ehemals Thomson Broadcast) und

b.. AM Broadcast GmbH  
(vormals Transradio und Telefunken SenderSysteme AG)  
mit Sitz in Berlin.

(siehe also Details under SWITZERLAND below, wb.)

Vor 4 Wochen wurde in Nord-Ost USA an der Kanada New Brunswick Grenze  
wieder eine drehbare Ampegon Kurzwellen-Antenne fuer 500 kW  
installiert, und man ist auf WBCQ 9330 kHz noch dabei, sowie auf  
anderen Baendern auch, die Antennen Dipole und Abstimmeelemente  
einzumessen. siehe Text unten. TX is a 500 kW US made CONTINENTAL  
unit. (wb)

<<https://ampegon.com/news/?id=110>>

Acquisition of Strategic Assets of Ampegon AG by Energy Technology Srl Turgi - Switzerland, and Bologna - Italy, July 11th, 2019 --- Energy Technology Srl, part of Arete & Cocchi Technology group of companies, based in Bologna, Italy, announces that it has reached agreement with the shareholders of Ampegon AG for the acquisition of its strategic assets in Switzerland and Germany through an asset deal transaction.

Through its new, wholly-owned subsidiary Ampegon Power Electronics AG, based in Baden, Energy Technology commenced business activities on July 8th, 2019.

Together, Ampegon and Ocem are strengthening their world leadership in power electronics for science and broadcast systems. Their business is complementary in terms of technology, existing know-how and an extensive list of worldwide market references.

Ampegon and Ocem are developing and manufacturing a wide range of high energy power supplies, of both high voltage and high current types, RF amplifiers using electron tube and solid-state topologies, and shortwave radio transmitters for analogue and digital broadcasting. The companies develop both OEM components and integrated systems to meet the needs of emerging technologies and industries, especially in the fields of fusion energy, particle accelerators, high-field electromagnets, medical physics, and industrial RF.

About Arete & Cocchi Technology <[aretecocchitechnology.com](http://aretecocchitechnology.com)>

Arete & Cocchi Technology, Italy-based and founded by Gino Cocchi, is a group of 11 companies with manufacturing plants in Italy, France, Switzerland, USA and China. It operates principally through 3 industrial platforms; namely packaging and automation robotic lines, airfield lighting and control systems, and power electronics.

About Energy Technology - Ocem Power Electronics Division | [ocem.eu](http://ocem.eu)  
Energy Technology srl operates two divisions: Ocem Airfield Technology and Ocem Power Electronics.

Ocem Power Electronics was established in 1943 and designs, manufactures and installs power systems for customers around the world, specializing in customized solutions. Its power convertor technologies and power supply solutions are used in over 50 research facilities in more than 20 countries globally, and facilitate advances in the fields of plasma physics, particle physics and medical research, as well as modern industries such as transportation and food processing.

About Ampegon Power Electronics <[ampegon.com](http://ampegon.com)>

Ampegon Power Electronics AG, the Swiss subsidiary of Energy Technology srl, comprises the strategic assets of Ampegon AG. Ampegon roots can be traced back until 1937. It serves the global Science, MedTech, Industry and Broadcast markets with an extensive product range. As the world leading designer, manufacturer and system integrator of AM/DRM radio broadcast systems, Ampegon offers the complete system including transmitters and antennas. In addition, the company is developing technology and fully integrated solutions to serve scientific, medical and industrial markets: RF amplifier systems, high voltage and high current power supplies as well as short- and long-pulse modulators. The products and services stand for innovation, advanced technology and premium quality systems.

<[https://ampegon.com/download/pr\\_sale\\_assets\\_of\\_ampegon\\_ag\\_-\\_immediate\\_release.pdf](https://ampegon.com/download/pr_sale_assets_of_ampegon_ag_-_immediate_release.pdf)>  
(via BC-DX Aug 24, DXLD)

RECORDING YOUR DX!

I know quite a few of us record our DX, but a lot of people still don't. I've run into some old timers who flat out refuse to record, with one telling me "My written log and my word should stand for itself and be enough".

Quite a few people record on computer but I don't for multiple reasons.

A.) Potential interference introduced into your DXing system (not very likely but I'm taking every advantage I can to reduce interference)

B.) you're Mobile.

I try to come up with ways to do things that anyone, even if they aren't too handy can do, with parts/equipment they can get easily no matter where they are.

I use a Zoom H1 digital handheld recorder fed by its line-in port from the RCA outputs of my radio and I listen using the headphones in the audio out jack.

I shot a short video a year or two ago after I had a few questions on how to set this up, and it's easier to show then try and explain.

Here's the video:

<https://www.youtube.com/watch?v=CxA3DkITeXU>

I know there's one or two DX'ers on this list I've specifically encouraged and been able to help set up with more or less this same

system. I'm not saying what you're doing is wrong but if you don't record, you should. it makes it much easier for stations and in some cases, believable when they hear it rather than just read a report. I love DXing and I just want people to get the most out of it like I know is possible, like I do (Paul Walker, WY, Aug 23, odfa iogroup via DXLD)

Most of my DX is via SDR (Elad, Perseus) so computer-resident recording software (Total Recorder most of the time) does the job.

I have used dedicated hand-held digital recorders of various types as well, especially when using portable or desktop receivers.

Zoom, Tascam, Edirol, Sony, and C. Crane (CC Witness) all have competent recorders. Besides DX, these are also good for entertainment radio recording, TV sound, dubbing LP's / 45's / reel-to-reels / cassettes into digital, and recording live material from speech and music to sounds of nature.

Pogo LX was one of the first such recorders (circa 2000 give or take). I still have one kicking around in a junk box somewhere.

Whether using software such as Total Recorder or dedicated recording hardware, it might take a bit of practice to get the right compromise between adequate fidelity and files that aren't too huge. WAV and MP3 are the most popular file formats, ones that can usually be emailed to station personnel for reception reporting purposes.

Paul, do you have a website with links to what you have recorded?

I have this as a start-up page for my stuff:  
[https://www.qsl.net/wa1ion/dx\\_audio.htm](https://www.qsl.net/wa1ion/dx_audio.htm)

You can then click on links that cover years 2015, 2016, 2017. 2018, and 2019.

The site has some vintage pre-2000 material too, originally on cassette or reel-to-reel and then converted with Total Recorder.

Gary DeBock out west has amassed many audio clips though I'm not sure if he has a links page for all those DXpeditions.

Same thing for Bill Whitacre: lots of DXpedition recordings.

These guys can toss out many useful tips beyond what I have mentioned (Mark Connelly, WA1ION, South Yarmouth, MA, nrc-am gg via DXLD)

Mark, I have audio files on my google drive account and I share from

time to time what I think is interesting, don't have the time to do a website and stuff (Paul Walker, *ibid.*)

The system that I have used for some time now is as follows:

When the main frame computer system is on, using the laptop, which has the Perseus software installed or a remote listening post, feed the audio onto the main frame, using total recorder (which I have used for years), converting the file into a MP3.

If the main frame computer is not on, and using the laptop, feed the signal into a digital recorder for temporary storage, then transfer to the main frame into MP3 files.

This may be a some what complicated but it works for me, as I can vary the volume for recording.

As well all my reception reports are now audio file MP3 attachments when I send out the e-mail report or Postal Report. I have several comments back from the stations that they appreciate the audio files indicating just how they are being received (Edward Kusalik, Alberta, ODXA iog via DXLD) ? What ``main frame`` is he talking about? (gh)

Ed, how do you send your mp3 file in a postal report? I record in a similar fashion when using my FT-1000mp --- split the audio between headphones and the laptop and use its built-in (Win7) recorder and convert to mp3. These get posted to my web pages where I can include a link when sending reports. If using Perseus, I just use Total Reorder to capture the wanted audio segment, save as mp3 and upload to the webspace (Steve VE7SL McDonald, ODXA iog via DXLD)

Okay, I failed in my haste to point out I use .box.com for posting my audio files (to my <https://account.box.com/login>) on this website. After I log in; I extract the audio file from my sound files in MS Word / Documents. Clicking on the share link, copy and then paste the web link into my reception report.

Just to make sure that file is audible, I click on the line and it opens up and I can hear the audio as it is saved. Afterwards, I move all sound files to a audio library on a external Hard drive.

Sure beats writing down details for a report, and again this gives the station or organization a clear understanding on how they are being heard. And yes, I have used Total Recorder for over twenty years now and have had no problem converting audio into MP3 format (Edward Kusalik, *ibid.*)

HOW TO FIND A NUMBERED RADIO STATION WITH MESSAGES FOR SPIES

Mysterious voices uttering seemingly meaningless chains of numbers that end up being mysterious ciphers --- You won't believe it, but you can hear all this yourself and even try to pick up the keys to the encoded messages. Read more in the text of our columnist Nikolai Grinko.

Find among the old things a shortwave radio. If there is no old, buy a new one - it can be found in almost every electronics store, prices - from 300 rubles. Wait a bit, turn on the radio in the evening, select the HF band, and slowly turn the control knob. You will almost certainly hear a steady hum or constant intermittent beeps in some places on the scale. Stop tuning and listen. With a certain amount of luck, you will hear how the signal is interrupted, and instead a voice will sound - most often a female one, a little distorted. A voice will begin to utter numbers, something like: "One, one, nine, five, three. Nine, seven, two, two, eight. Four, one, zero, six, four ..."

After a while, the transmission will end, and instead of a voice, a signal will sound again. This is a numbered radio station. For almost a hundred years, strange sets of numbers have been heard on the radio. The voices can be very different - female, male, even children's, and even completely - computer, synthesized. Numbers are called in different languages, sometimes letters are added to them. There are hundreds of such radio stations, broadcasts have been going on for years, and there are no official versions of what it is. But at the same time, everyone is well aware that numbered radio stations transmit messages for spies. Yes, yes, exactly: for intelligence officers, government agents, intelligence agents, Shtirlits and James Bond.

Short radio waves have an interesting property: they are able to bounce off the ionosphere and the Earth's surface and, with sufficient transmitter power, can reach any point on the planet. In this case, multiple reflections do not make it possible [sic] to detect the station, that is, to determine the point at which it is located. All this makes short waves an ideal medium for secret messages - they do not need expensive equipment to receive them, you can catch a signal anywhere, and it is almost impossible to detect its source.

Each five digits means one letter, encrypted with a one-time code, which cannot be decrypted without a key. The voices of the announcers are most often recorded, and their language does not necessarily correspond to the country from which the broadcast is being conducted. With the advent of computer programs that synthesized human voices, number radio stations began to actively use them for broadcasts: so that the nationality of the speaker could not be determined by accent.

"Wait," the inquisitive reader will say, "after all, there are computers, the Internet, incredibly sophisticated encryption systems! Why are spies still using such an ancient communication system?"

It's simple: old tricks are the best tricks. An encrypted file sent over the Internet still carries additional data - for example, about where it was sent from. And the radio, filled with interference and monotonous voices "three, four, three, nine, one ...", provides complete anonymity to both the sender and the recipient.

Many hams around the world are happy to play "catch the spy", receiving and trying to decrypt messages, as well as determine their source. Conspiracy theories multiply and grow, but so far not a single set of numbers has been deciphered (at least there is no reliable information about this, for obvious reasons).

Amateurs make catalogs of number stations, give them names. The principle is simple: if the station transmits low buzz most of the time, it will be called a "buzzer", if each encrypted message starts with a well-known musical phrase (this is quite common), then "Mozart" or "Duran Duran", if there is no identifier, then it's just will assign a number.

Number stations can be silent for years and decades, and then suddenly wake up. Often such periods of violent activity coincide with political crises, revolutions, wars, special operations, and this is perhaps the only, albeit very weak, evidence of the spyware of the transmitters. However, amateur conspiracy theories are often erroneous.

For example, a few years ago, users discovered the strange YouTube channel WebDriver Torso. Thousands of meaningless 10-second videos are laid out on it, in which there is nothing but red and blue rectangles, rushing around the screen to the same sound signals.

Immediately, the theory arose that in this way special services transmit messages to their conspiratorial agents. Has the digital age really forced intelligence to follow progress? But some time later, Google officially announced that video clips and sound compression algorithms were tested using these videos and they had nothing to do with spyware.

Number stations have been broadcasting for a century, since the First World War. And there are good reasons to believe that they will exist for at least as many more. Although... Grinko Nikolay, m24.ru  
[http://onair.ru/main/enews/view\\_msg/NMID\\_\\_74563/](http://onair.ru/main/enews/view_msg/NMID__74563/)  
(via RUS-DX Aug 25 via DXLD)

## PROPAGATION

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### CARRINGTON EVENT: SOLAR STORM OF 1859

On this day 160 years ago Richard Carrington and Richard Hodgson observed and recorded an immense white flare emanating from the Sun. This event turned out to be three days later a geomagnetic Solar Storm of the highest intensity. Telegraph operators received electric shocks, the equipment threw sparks, and in some cases the regional telegraph system operated without batteries (by itself). There are accounts of the newspaper of the day being read at night without lamps or light.

Considering the advanced state of electricity today, whole regions of Northern Europe, Asia, and North America might go dark for a long period of time. South America, and Australia/New Zealand would also be affected to lesser degree, but serious. The long power trans-mission lines build up a large voltage over the length. Standard telephone lines also are vulnerable. Satellites in orbit have no atmospheric protection from the intense radiation, and may be knocked out of commission permanently. An astronaut on the Moon or in transit could receive a deadly dose of such radiation (beta, gamma, and cosmic). In short, this would be a disaster of trillions of dollars damage, and conceivably many years to repair if this happens in the 21st Century.

#### Links:

<http://www.solarstorms.org/SS1859.html>

For newspaper accounts. About 2/3 down is the telegraph reports.

[https://en.wikipedia.org/wiki/Solar\\_storm\\_of\\_1859](https://en.wikipedia.org/wiki/Solar_storm_of_1859)

For the general article cited here.

Regards (Paul S. in CT, FN31n1, Aug 28, WOR iog via DXLD)

:Product: Weekly Highlights and Forecasts

:Issued: 2019 Aug 26 0541 UTC

# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center

# Product description and SWPC contact on the Web

# <https://www.swpc.noaa.gov/content/subscription-services>

#

# Weekly Highlights and Forecasts

#

Highlights of Solar and Geomagnetic Activity

19 - 25 August 2019

Solar activity was very low. The visible disk was spotless with no

Earth-directed CMEs observed.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at moderate levels throughout the forecast period.

Geomagnetic field activity was at quiet levels under nominal solar wind conditions throughout the forecast period.

Forecast of Solar and Geomagnetic Activity  
26 August - 21 September 2019

Solar activity is expected to remain very low throughout the outlook period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels on 02-13 Sep due to recurrent CH HSS influence. Moderate levels are expected throughout the remainder of the period.

Geomagnetic field activity is likely to reach G2 (Moderate) geomagnetic storm levels on 01 Sep, active levels on 26-27 Aug, 02 Sep, with unsettled levels on 28 Aug, 03, 06-07 Sep due to recurrent CH HSS effects.

:Product: 27-day Space Weather Outlook Table 27D0.txt

:Issued: 2019 Aug 26 0541 UTC

# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center

# Product description and SWPC contact on the Web

# <https://www.swpc.noaa.gov/content/subscription-services>

#

# 27-day Space Weather Outlook Table

# Issued 2019-08-26

#

| # UTC       | Radio Flux | Planetary | Largest  |
|-------------|------------|-----------|----------|
| # Date      | 10.7 cm    | A Index   | Kp Index |
| 2019 Aug 26 | 67         | 10        | 4        |
| 2019 Aug 27 | 67         | 16        | 4        |
| 2019 Aug 28 | 67         | 8         | 3        |
| 2019 Aug 29 | 67         | 5         | 2        |
| 2019 Aug 30 | 67         | 5         | 2        |
| 2019 Aug 31 | 67         | 5         | 2        |
| 2019 Sep 01 | 67         | 35        | 6        |
| 2019 Sep 02 | 67         | 15        | 4        |

|             |    |   |   |
|-------------|----|---|---|
| 2019 Sep 03 | 67 | 8 | 3 |
| 2019 Sep 04 | 67 | 5 | 2 |
| 2019 Sep 05 | 67 | 5 | 2 |
| 2019 Sep 06 | 67 | 8 | 3 |
| 2019 Sep 07 | 67 | 8 | 3 |
| 2019 Sep 08 | 67 | 5 | 2 |
| 2019 Sep 09 | 67 | 5 | 2 |
| 2019 Sep 10 | 67 | 5 | 2 |
| 2019 Sep 11 | 67 | 5 | 2 |
| 2019 Sep 12 | 68 | 5 | 2 |
| 2019 Sep 13 | 68 | 5 | 2 |
| 2019 Sep 14 | 68 | 5 | 2 |
| 2019 Sep 15 | 68 | 5 | 2 |
| 2019 Sep 16 | 67 | 5 | 2 |
| 2019 Sep 17 | 67 | 5 | 2 |
| 2019 Sep 18 | 67 | 5 | 2 |
| 2019 Sep 19 | 67 | 5 | 2 |
| 2019 Sep 20 | 67 | 5 | 2 |
| 2019 Sep 21 | 67 | 5 | 2 |

(SWPC via WORLD OF RADIO 1997, DXLD)

#### TIPS FOR RATIONAL LIVING

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REAL TIME WITH BILL MAHER, FREE ON YOUTUBE  
[despite originating on premium channel HBO]

<https://www.yahoo.com/entertainment/bill-maher-gets-candid-david-145456377.html>  
<https://www.youtube.com/watch?v=gfyxfmmF49I>  
<https://www.youtube.com/watch?v=EzBYxqtJSqc>  
<https://www.youtube.com/watch?v=egVlN-kBjZg>  
<https://www.youtube.com/watch?v=6AHGpNBwWe4>  
[https://www.youtube.com/watch?v=WiYudywr\\_tQ](https://www.youtube.com/watch?v=WiYudywr_tQ)  
<https://www.youtube.com/watch?v=SGcdPakoytg>  
<https://www.youtube.com/watch?v=oLD2xzAX8Aw>  
[https://www.youtube.com/watch?v=YEivG\\_2dQIY](https://www.youtube.com/watch?v=YEivG_2dQIY)  
<https://www.youtube.com/watch?v=lTpkix7pgSA>  
<https://www.youtube.com/watch?v=zX099yxeOdI>  
 and many more sidelinked

ALSO, JOHN OLIVER:

<https://www.youtube.com/watch?v=7y1xJAVZxXg>  
 (Glenn Hauser, DX LISTENING DIGEST) ###